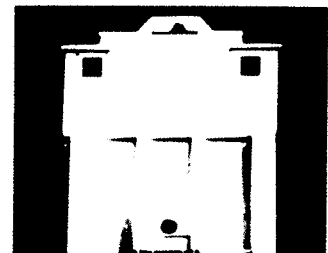


NASA Technical Memorandum

NASA TM - 100360

NASA Marshall Space Flight Center Solar Observatory Report January - December 1987

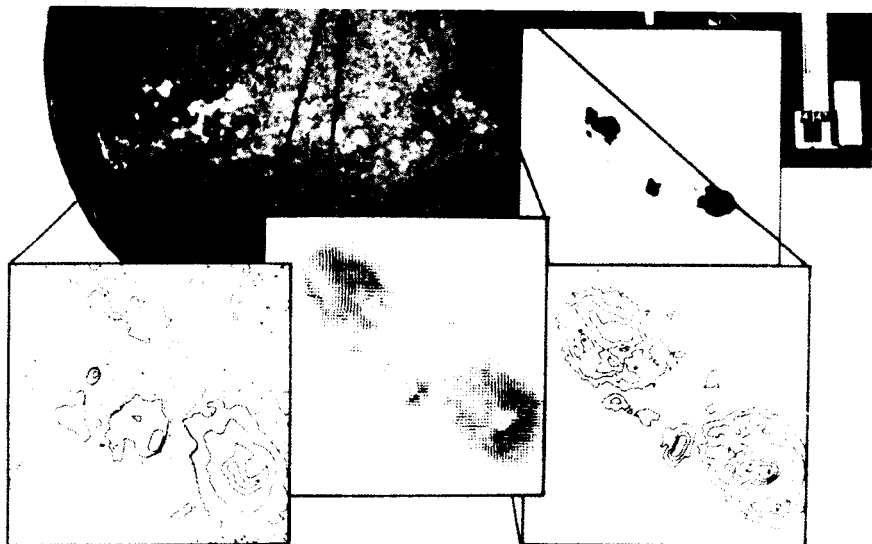
By James E. Smith



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CENTER SOLAR OBSERVATORY REPORT, JANUARY -
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16. ABSTRACT This report provides a description of the NASA Marshall Space Flight Center's Solar Vector Magnetograph Facility and gives a summary of its observations and data reduction during January-December 1987. The systems that make up the facility are a magnetograph telescope, an H-alpha telescope, a Questar telescope, and a computer code. The data are represented by longitudinal contours with azimuth plots.			
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TECHNICAL MEMORANDUM NASA MARSHALL SPACE FLIGHT CENTER SOLAR OBSERVATORY REPORT

INTRODUCTION

This report provides a summary of the solar vector magnetic field, H-Alpha, and white-light observations made at the NASA/ Marshall Space Flight Center (MSFC) Solar Observatory during its daily periods of operation.

The MSFC Solar Observatory facilities consist of the Solar Magnetograph, housed on top of a 12.8 meter tower, and an H-alpha telescope and Questar white-light telescope, both mounted on concrete pads at the base of the tower. A concrete block building provides office space, a darkroom for developing film and performing optical testing, a workshop, video displays, and a computer facility for data reduction.

THE NASA/MSFC SOLAR MAGNETOGRAPH

The NASA/MSFC Solar Magnetograph is an electro-optical instrument designed to provide information on the states of linear and circular polarization of a narrow wavelength interval ($1/8 \text{ \AA}$) of the 525.022 nm (5250.22 \AA) solar absorption line over a 5.75×5.75 arc minute field of view with a spatial resolution of 2.7 arc seconds and a time resolution of approximately 6 minutes for a complete vector magnetogram with a sensitivity of $1/1000$. A complete description of the instrument and its calibration and performance characteristics can be found in references 1 and 2.

H-ALPHA FACILITY

The facility inhouses a 12.5 cm aperture, Radzow H-alpha telescope system. This system consists of a $f/8$, 1 m focal length, 5 in telescope which produces a 16 mm diameter image at the prime focus. The spectral selection is provided by a Halle-Lyot birefringent filter with a 0.5 \AA bandpass centered at H-alpha and tunable within $\pm 1 \text{ \AA}$. The telescope is equipped with standard mount, drive, and guidance systems, and it provides eyepiece viewing as well as film and TV scan output.

WHITE-LIGHT TELESCOPE

An 18 cm Questar telescope with a full aperture white light prefilter is also available for viewing or photographing sunspots and/or other white-light solar features.

COMPUTER CENTER

The data reduction capability consists of a PDP 11/73 computer with 2 megabytes memory, control terminals, color graphics display monitor, line printer, two disk systems, and a magnetic tape recorder. The data acquisition computer is a PDP 11/23 with 2 megabytes memory and is used to control the data storage, the real time analysis, and the operation of the vector magnetograph system. The system hardware is controlled by an Intel microcomputer with a Z80 processor. After receiving commands from the PDP 11/23, the Intel configures the hardware to given specifics and then acquire the data. The Intel controls the timing of the solid state camera system, the polarizing optics, and the data transfer into temporary memory.

DATA DESCRIPTION

The MSFC Vector Magnetograph system records the Sun's photospheric magnetic field over an approximately 6 X 6 arc min square field of view. The normal mode of operation produce magnetograms with a 128 X 128 data array, yielding a pixel size of 2.8 arc second resolution. It takes about 6 minutes to produce one complete vector set. The data can then be displayed in various contour plots showing the field gradients and directions.

OBSERVING RECORDS

The MSFC magnetograph observations are summarized in Appendix A. H-alpha observing records are summarized in Appendix B. White light observing records are summarized in Appendix C.

REFERENCES

1. Hagyard, M. J., Cumings, N. P., West, E. A., and Smith, J. E., "The MSFC Solar Vector Magnetograph" *Solar Phys.* 80 (1982), 33.
2. Hagyard, M. J., Cumings, N. P., and West, E. A., "Proceedings of Kunming Workshop on Solar Physics and Interplanetary Travelling Phenomena" *C. De Jager and Chen Biao eds.* (1985), 1216.

Abbreviations used in the records are as follows:

Region Four digits mean Boulder region number

0-represents calibration

1-represents studies at the Sun center

2-represents studies of any quiet area

3-represents studies of coronal holes

λ P Polarimeter waveplate position

1-represents position to analyze circularly polarized light

2-represents position to analyze linearly polarized light parallel to the analyzer

3-represents position to analyze linearly polarized light 45 to the analyzer

Enh Number of image enhancements

FP Zeiss filter position

CF Center filter position of sunspot

C.T. Correlation Tracker (0 represents off and 1 represents on)

Tape Magnetic tape in which the data are stored

Appendix A

MAGNETOGRAPH OBSERVATIONS

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MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
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SM0005.H	09-APR-87	18:03:10	4786	1	256	455	464	SMD	0
SM0006.H	09-APR-87	18:09:27	4786	2	256	455	464	SMD	0
SM0007.H	10-APR-87	14:09:03	4786	1	256	473	464	SMD	1
SM0008.H	10-APR-87	14:11:25	4786	2	256	473	464	SMD	1
SM0009.H	10-APR-87	14:13:42	4786	3	256	473	464	SMD	1
SM0010.H	10-APR-87	14:23:16	4786	1	256	474	465	SMD	1
SM0011.H	10-APR-87	14:25:26	4786	2	256	474	465	SMD	1

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MAGNETOGRAPH OBSERVATIONS

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S70123.H	07-JUN-87	16:37:47	2	3	256	468	468	150	0
S70124.H	07-JUN-87	16:50:25	2	1	256	474	468	150	0
S70125.H	07-JUN-87	16:52:47	2	2	256	474	468	150	0
S70126.H	07-JUN-87	16:55:11	2	3	256	474	468	150	0
S70127.H	07-JUN-87	17:02:18	2	1	256	462	468	150	0
S70128.H	07-JUN-87	17:10:29	2	1	1	468	468	150	0
S70129.H	07-JUN-87	17:11:29	2	1	1	468	468	150	0
S70130.H	07-JUN-87	17:19:31	2	1	1	468	468	150	0
S70131.H	07-JUN-87	17:20:06	2	1	1	468	468	150	0
S70132.H	07-JUN-87	17:31:49	2	1	256	462	468	150	0
S70133.H	07-JUN-87	17:34:07	2	2	256	462	468	150	0
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S70136.H	07-JUN-87	17:55:18	2	2	256	468	468	150	0
S70137.H	07-JUN-87	17:57:35	2	3	256	468	468	150	0
S70138.H	07-JUN-87	18:00:23	2	1	256	474	468	150	0
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S70146.H	08-JUN-87	14:39:13	2	3	256	461	467	150	0
S70147.H	08-JUN-87	14:42:07	2	1	256	467	467	150	0
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S70168.H	08-JUN-87	15:42:43	2	3	256	458	467	150	0
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MAGNETOGRAPH OBSERVATIONS

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S70229.H	09-JUN-87	22:34:10	0	1	256	471	465	151	0
S70230.H	09-JUN-87	22:35:49	0	2	256	471	465	151	0
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S70235.H	09-JUN-87	22:43:44	0	1	256	465	465	151	0
S70236.H	09-JUN-87	22:45:05	0	2	256	465	465	151	0
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MAGNETOGRAPH OBSERVATIONS

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S70285.H	10-JUN-87	17:13:01	2	1	128	471	465	152	0
S70286.H	10-JUN-87	17:18:47	2	1	128	471	465	152	0
S70287.H	10-JUN-87	17:20:54	0	1	128	471	465	152	0
S70288.H	10-JUN-87	17:27:05	0	1	256	471	465	152	0
S70289.H	10-JUN-87	17:29:46	0	2	256	471	465	152	0
S70290.H	10-JUN-87	17:32:08	0	3	256	471	465	152	0
S70291.H	10-JUN-87	17:34:51	0	1	256	459	465	152	0
S70292.H	10-JUN-87	17:36:54	0	2	256	459	465	152	0
S70293.H	10-JUN-87	17:38:56	0	3	256	459	465	152	0
S70294.H	10-JUN-87	17:41:22	0	1	256	465	465	152	0
S70295.H	10-JUN-87	17:43:21	0	2	256	465	465	152	0
S70296.H	10-JUN-87	17:45:24	0	3	256	465	465	152	0
S70297.H	10-JUN-87	17:49:45	0	1	256	465	465	152	0
S70298.H	12-JUN-87	14:03:00	1	0	1	472	465	152	0
S70299.H	12-JUN-87	14:03:41	1	0	1	472	465	152	0
S70300.H	12-JUN-87	14:04:20	1	0	1	472	466	153	0
S70301.H	12-JUN-87	14:05:05	1	0	1	472	466	153	0
S70302.H	12-JUN-87	14:05:45	1	0	1	472	466	153	0
S70303.H	12-JUN-87	14:06:28	1	0	1	472	466	153	0
S70304.H	12-JUN-87	14:06:59	1	0	1	472	466	153	0
S70305.H	12-JUN-87	14:07:38	1	0	1	472	466	153	0
S70306.H	12-JUN-87	14:08:04	1	0	1	472	466	153	0
S70307.H	12-JUN-87	14:08:51	0	0	1	472	466	153	0
S70308.H	12-JUN-87	14:09:20	0	0	1	472	466	153	0
S70309.H	12-JUN-87	14:09:56	0	0	1	472	466	153	0
S70310.H	12-JUN-87	14:10:24	2	0	1	472	466	153	0
S70311.H	12-JUN-87	14:10:58	2	0	1	472	466	153	0
S70312.H	12-JUN-87	14:11:24	2	0	1	472	466	153	0
S70313.H	12-JUN-87	14:15:09	2	0	32	472	466	153	0
S70314.H	12-JUN-87	14:16:05	2	0	32	472	466	153	0
S70315.H	12-JUN-87	14:17:04	2	0	64	472	466	153	0
S70316.H	12-JUN-87	14:18:12	2	0	64	472	466	153	0
S70317.H	12-JUN-87	14:18:58	2	0	64	472	466	153	0
S70318.H	12-JUN-87	14:20:51	2	0	128	472	466	153	0
S70319.H	12-JUN-87	14:22:09	2	0	128	472	466	153	0
S70320.H	12-JUN-87	14:24:25	2	0	128	472	466	153	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70321.H	12-JUN-87	14:29:10	2	0	128	472	466	153	0
S70322.H	12-JUN-87	14:29:35	2	0	1	472	466	153	0
S70323.H	21-JUN-87	14:02:47	2	1	256	471	466	153	0
S70324.H	21-JUN-87	14:15:03	4819	1	1	471	465	153	0
S70325.H	21-JUN-87	14:15:29	0	1	1	471	465	153	0
S70326.H	21-JUN-87	14:15:56	0	1	1	471	465	153	0
S70327.H	21-JUN-87	14:16:21	0	1	1	471	465	153	0
S70328.H	21-JUN-87	14:16:52	0	1	1	471	465	153	0
S70329.H	21-JUN-87	14:17:16	0	1	1	471	465	153	0
S70330.H	21-JUN-87	14:17:43	0	1	1	471	465	153	0
S70331.H	21-JUN-87	14:18:08	0	1	1	471	465	153	0
S70332.H	21-JUN-87	14:18:30	0	1	1	471	465	153	0
S70333.H	21-JUN-87	14:20:03	0	1	64	471	465	153	0
S70334.H	21-JUN-87	14:21:02	0	1	64	471	465	153	0
S70335.H	21-JUN-87	14:22:51	2	1	1	471	465	153	0
S70336.H	21-JUN-87	14:23:14	2	1	1	471	465	153	0
S70337.H	21-JUN-87	14:23:39	2	1	1	471	465	153	0
S70338.H	21-JUN-87	14:24:02	2	1	1	471	465	153	0
S70339.H	21-JUN-87	14:24:56	2	1	1	471	465	153	0
S70340.H	21-JUN-87	14:25:20	2	1	1	471	465	153	0
S70341.H	21-JUN-87	14:25:42	2	1	1	471	465	153	0
S70342.H	21-JUN-87	14:26:12	2	1	1	471	465	153	0
S70343.H	21-JUN-87	14:27:22	2	1	4	471	465	153	0
S70344.H	21-JUN-87	14:28:45	2	1	4	471	465	153	0
S70345.H	21-JUN-87	14:30:07	2	1	64	471	465	153	0
S70346.H	21-JUN-87	14:31:33	2	1	64	471	465	153	0
S70347.H	21-JUN-87	14:34:54	2	1	64	471	465	153	0
S70348.H	21-JUN-87	14:35:50	2	1	64	471	465	153	0
S70349.H	21-JUN-87	14:39:17	0	1	256	471	465	153	0
S70350.H	21-JUN-87	14:41:44	0	2	256	471	465	154	0
S70351.H	21-JUN-87	15:04:37	0	3	256	471	465	154	0
S70352.H	21-JUN-87	15:13:29	0	1	256	471	465	154	0
S70353.H	21-JUN-87	15:16:05	0	2	256	471	465	154	0
S70354.H	21-JUN-87	15:18:43	0	3	256	471	465	154	0
S70355.H	21-JUN-87	15:28:35	0	1	256	471	465	154	0
S70356.H	24-JUN-87	13:03:49	4819	1	256	472	466	154	0
S70357.H	24-JUN-87	13:05:33	4819	2	256	472	466	154	0
S70358.H	24-JUN-87	13:07:18	4819	3	256	472	466	154	0
S70359.H	24-JUN-87	13:09:33	4819	1	256	460	466	154	0
S70360.H	24-JUN-87	13:11:21	4819	1	256	460	466	154	0
S70361.H	24-JUN-87	13:18:24	4819	3	256	460	466	154	0
S70362.H	24-JUN-87	15:49:41	4819	1	256	472	466	154	0
S70363.H	24-JUN-87	15:52:31	4819	1	256	460	466	154	0
S70364.H	24-JUN-87	15:55:50	4819	1	256	460	466	154	0
S70365.H	24-JUN-87	16:06:16	0	1	256	460	466	154	0
S70366.H	24-JUN-87	16:09:40	1	1	256	460	466	154	0
S70367.H	24-JUN-87	16:11:48	1	2	256	460	466	154	0
S70368.H	24-JUN-87	16:13:54	1	3	256	460	466	154	0
S70369.H	24-JUN-87	16:16:42	1	1	256	472	466	154	0
S70370.H	24-JUN-87	16:18:50	1	2	256	472	466	154	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70371.H	24-JUN-87	16:21:27	1	3	256	472	466	154	0
S70372.H	24-JUN-87	16:24:10	1	2	256	466	466	154	0
S70373.H	24-JUN-87	16:26:16	1	2	256	466	466	154	0
S70374.H	24-JUN-87	16:28:26	1	3	256	466	466	154	0
S70375.H	24-JUN-87	16:32:51	4819	1	256	466	466	154	0
S70376.H	24-JUN-87	16:35:20	4819	2	256	466	466	154	0
S70377.H	24-JUN-87	16:37:34	4819	3	256	466	466	154	0
S70378.H	24-JUN-87	02:16:40	4819	1	256	466	466	154	0
S70379.H	24-JUN-87	16:42:11	4819	2	256	466	466	154	0
S70380.H	24-JUN-87	16:44:29	4819	3	256	466	466	154	0
S70381.H	24-JUN-87	16:47:22	4819	1	256	466	466	154	0
S70382.H	24-JUN-87	16:50:33	4819	2	256	466	466	154	0
S70383.H	24-JUN-87	16:53:10	4819	3	256	466	466	154	0
S70384.H	24-JUN-87	17:27:11	4819	1	256	460	466	154	0
S70385.H	24-JUN-87	20:50:36	4819	1	256	472	466	154	0
S70386.H	24-JUN-87	20:53:16	4819	2	256	472	466	154	0
S70387.H	24-JUN-87	20:55:38	4819	3	256	472	466	154	0
S70388.H	24-JUN-87	20:58:56	4819	1	256	472	466	154	0
S70389.H	24-JUN-87	21:02:08	4819	2	256	472	466	154	0
S70390.H	24-JUN-87	21:04:32	4819	3	256	472	466	154	0
S70391.H	24-JUN-87	21:06:44	4819	1	64	472	466	154	0
S70392.H	24-JUN-87	21:12:01	4819	1	128	472	466	154	0
S70393.H	24-JUN-87	21:14:17	4819	1	32	472	466	154	0
S70394.H	24-JUN-87	21:15:12	4819	1	16	472	466	154	0
S70395.H	24-JUN-87	21:16:39	4819	1	1	472	466	154	0
S70396.H	24-JUN-87	21:17:21	4819	1	1	472	466	0	1
S70397.H	24-JUN-87	21:22:06	4819	1	256	475	466	154	0
S70398.H	24-JUN-87	21:24:03	4819	2	256	475	466	154	0
S70399.H	24-JUN-87	21:26:53	4819	3	256	475	466	154	0
S70400.H	24-JUN-87	21:30:43	4819	1	256	478	466	155	0
S70401.H	24-JUN-87	21:33:09	4819	2	256	478	466	155	0
S70402.H	24-JUN-87	02:36:55	0	1	256	457	466	155	0
S70403.H	24-JUN-87	22:24:48	4819	1	256	457	466	155	0
S70404.H	24-JUN-87	22:30:12	4819	2	256	457	466	155	0
S70405.H	25-JUN-87	13:15:27	0	0	32	457	466	155	0
S70406.H	25-JUN-87	13:17:30	0	0	32	457	466	155	0
S70407.H	25-JUN-87	14:41:41	4819	1	256	471	465	155	0
S70408.H	25-JUN-87	14:44:03	4819	2	256	471	465	155	0
S70409.H	25-JUN-87	14:47:01	4819	3	256	471	465	155	0
S70410.H	25-JUN-87	14:55:14	4819	1	256	459	465	155	0
S70411.H	25-JUN-87	14:57:43	4819	2	256	459	465	155	0
S70412.H	25-JUN-87	15:00:11	4819	3	256	459	465	155	0
S70413.H	25-JUN-87	15:04:24	4819	1	256	474	465	155	0
S70414.H	25-JUN-87	15:09:25	4819	1	256	474	465	155	0
S70415.H	25-JUN-87	15:11:31	4819	2	256	474	465	155	0
S70416.H	25-JUN-87	15:13:29	4819	3	256	474	465	155	0
S70417.H	25-JUN-87	15:16:12	4819	1	256	456	465	155	0
S70418.H	25-JUN-87	15:18:11	4819	2	256	456	465	155	0
S70419.H	25-JUN-87	15:20:19	4819	3	256	456	465	155	0
S70420.H	25-JUN-87	15:24:46	4819	1	256	477	465	155	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70421.H	25-JUN-87	15:50:50	4819	1	256	477	465	155	0
S70422.H	25-JUN-87	16:03:39	4819	2	256	465	465	155	0
S70423.H	25-JUN-87	16:05:47	4819	3	256	465	465	155	0
S70424.H	25-JUN-87	17:07:52	4819	1	256	477	465	155	0
S70425.H	25-JUN-87	18:58:44	0	1	256	471	465	155	0
S70426.H	25-JUN-87	19:00:46	0	2	256	471	465	155	0
S70427.H	25-JUN-87	19:05:10	0	3	256	471	465	155	0
S70428.H	25-JUN-87	19:07:22	0	1	256	474	465	155	0
S70429.H	25-JUN-87	19:09:17	0	2	256	474	465	155	0
S70430.H	25-JUN-87	19:12:24	0	3	256	474	465	155	0
S70431.H	25-JUN-87	19:15:58	0	1	256	456	465	155	0
S70432.H	25-JUN-87	19:17:59	0	2	256	456	465	155	0
S70433.H	25-JUN-87	19:20:05	0	3	256	456	465	155	0
S70434.H	25-JUN-87	19:33:53	0	1	256	459	465	155	0
S70435.H	25-JUN-87	19:38:26	0	2	256	459	465	155	0
S70436.H	25-JUN-87	19:42:02	0	3	256	459	465	155	0
S70437.H	25-JUN-87	19:48:26	0	1	256	465	465	155	0
S70438.H	25-JUN-87	19:50:29	0	2	256	465	465	155	0
S70439.H	25-JUN-87	19:53:15	0	3	256	465	465	155	0
S70440.H	25-JUN-87	20:20:41	4819	1	64	465	465	155	0
S70441.H	25-JUN-87	20:22:15	4819	1	64	471	465	155	0
S70442.H	25-JUN-87	20:22:51	4819	1	1	471	465	155	0
S70443.H	25-JUN-87	20:23:20	4819	1	1	471	465	155	0
S70444.H	25-JUN-87	20:24:07	4819	1	1	471	465	155	0
S70445.H	25-JUN-87	20:25:22	4819	1	1	471	465	155	0
S70446.H	25-JUN-87	20:28:11	4819	1	256	471	465	155	0
S70446.H	25-JUN-87	20:30:39	4819	1	256	471	465	155	0
S70448.H	25-JUN-87	20:30:39	4819	1	256	471	465	155	0
S70449.H	25-JUN-87	20:38:37	4819	1	256	471	465	155	0
S70450.H	25-JUN-87	20:43:58	4819	1	256	471	465	156	0
S70451.H	25-JUN-87	20:46:00	4819	2	256	471	465	156	0
S70452.H	25-JUN-87	20:48:00	4819	3	256	471	465	156	0
S70453.H	25-JUN-87	20:50:40	4819	1	256	459	465	156	0
S70454.H	25-JUN-87	20:53:01	4819	2	256	459	465	156	0
S70455.H	25-JUN-87	20:55:11	4819	3	256	459	465	156	0
S70456.H	25-JUN-87	20:59:29	4819	1	256	456	465	156	0
S70457.H	25-JUN-87	21:02:06	4819	2	256	456	465	156	0
S70458.H	25-JUN-87	21:04:39	4819	3	256	456	465	156	0
S70459.H	25-JUN-87	21:08:03	4819	1	256	465	465	156	0
S70460.H	25-JUN-87	21:10:42	4819	2	256	465	465	156	0
S70461.H	25-JUN-87	21:13:12	4819	3	256	465	465	156	0
S70462.H	25-JUN-87	21:16:57	4819	1	256	477	465	156	0
S70463.H	25-JUN-87	21:19:18	4819	2	256	477	465	156	0
S70464.H	25-JUN-87	21:21:38	4819	3	256	477	465	156	0
S70465.H	25-JUN-87	21:24:40	4819	1	256	474	465	156	0
S70466.H	25-JUN-87	21:27:07	4819	2	256	474	465	156	0
S70467.H	25-JUN-87	21:29:31	4819	3	256	474	465	156	0
S70468.H	25-JUN-87	21:34:40	4819	1	256	474	465	156	0
S70469.H	25-JUN-87	21:37:00	4819	2	256	474	465	156	0
S70470.H	25-JUN-87	21:39:26	4819	3	256	474	465	156	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70471.H	25-JUN-87	21:46:34	0	1	256	456	465	156	0
S70472.H	25-JUN-87	21:49:44	0	1	256	459	465	156	0
S70473.H	25-JUN-87	21:53:48	0	1	256	465	465	156	0
S70474.H	25-JUN-87	21:57:34	0	1	256	465	465	156	0
S70475.H	25-JUN-87	22:01:50	0	1	256	474	465	156	0
S70476.H	25-JUN-87	22:06:11	0	1	256	477	465	156	0
S70477.H	26-JUN-87	13:15:18	4819	1	256	471	466	156	0
S70478.H	26-JUN-87	13:17:00	4819	2	256	471	466	156	0
S70479.H	26-JUN-87	13:18:48	4819	3	256	471	466	156	0
S70480.H	26-JUN-87	13:43:55	4819	1	256	460	466	156	0
S70481.H	26-JUN-87	13:45:41	4819	2	256	460	466	156	0
S70482.H	26-JUN-87	13:49:38	4819	3	256	460	466	156	0
S70483.H	26-JUN-87	13:55:24	4819	1	256	460	466	156	0
S70484.H	26-JUN-87	16:17:16	4819	1	256	460	466	156	0
S70485.H	26-JUN-87	16:28:32	4819	1	256	460	466	156	0
S70486.H	26-JUN-87	20:23:50	4819	1	256	460	466	156	0
S70487.H	26-JUN-87	20:26:30	4819	1	256	460	466	156	0
S70488.H	26-JUN-87	20:29:10	4819	1	256	460	466	156	0
S70489.H	26-JUN-87	20:31:55	4819	1	256	460	466	156	0
S70490.H	26-JUN-87	20:36:58	4819	1	256	460	466	156	0
S70491.H	26-JUN-87	20:39:39	4819	1	256	460	466	156	0
S70492.H	26-JUN-87	20:42:20	4819	1	256	460	466	156	0
S70493.H	26-JUN-87	20:44:55	4819	1	256	460	466	156	0
S70494.H	26-JUN-87	20:49:44	4819	1	256	460	466	156	0
S70495.H	26-JUN-87	20:52:11	4819	1	256	460	466	156	0
S70496.H	26-JUN-87	20:54:32	4819	1	256	460	466	156	0
S70497.H	26-JUN-87	20:56:49	4819	1	256	460	466	156	0
S70498.H	26-JUN-87	20:59:16	4819	1	256	460	466	156	0
S70499.H	26-JUN-87	21:01:31	4819	1	256	460	466	156	0
S70500.H	26-JUN-87	21:13:57	4819	1	256	460	466	157	0
S70501.H	26-JUN-87	21:16:19	4819	2	256	460	466	157	0
S70502.H	26-JUN-87	21:18:46	4819	3	256	460	466	157	0
S70503.H	26-JUN-87	21:39:34	4819	1	256	464	464	157	0
S70504.H	26-JUN-87	21:42:00	4819	2	256	464	464	157	0
S70505.H	26-JUN-87	21:44:17	4819	3	256	464	464	157	0
S70506.H	26-JUN-87	21:46:47	4819	1	256	470	464	157	0
S70507.H	26-JUN-87	21:49:05	4819	2	256	470	464	157	0
S70508.H	26-JUN-87	21:51:46	4819	3	256	470	464	157	0
S70509.H	26-JUN-87	21:57:22	4819	1	256	458	464	157	0
S70510.H	26-JUN-87	22:00:22	4819	1	256	458	464	157	0
S70511.H	26-JUN-87	22:02:51	4819	2	256	458	464	157	0
S70512.H	26-JUN-87	22:05:21	4819	3	256	458	464	157	0
S70513.H	26-JUN-87	22:08:38	4819	1	256	455	464	157	0
S70514.H	26-JUN-87	22:11:18	4819	2	256	455	464	157	0
S70515.H	26-JUN-87	22:13:47	4819	3	256	455	464	157	0
S70516.H	26-JUN-87	22:29:22	4819	1	256	473	464	157	0
S70517.H	26-JUN-87	22:32:32	4819	2	256	473	464	157	0
S70518.H	26-JUN-87	22:35:09	4819	3	256	473	464	157	0
S70519.H	26-JUN-87	22:39:13	4819	1	256	476	464	157	0
S70520.H	26-JUN-87	22:42:00	4819	2	256	476	464	157	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70521.H	26-JUN-87	22:44:25	4819	3	256	476	464	157	0
S70522.H	26-JUN-87	22:47:05	4819	1	256	479	464	157	0
S70523.H	26-JUN-87	22:50:13	4819	2	256	479	464	157	0
S70524.H	26-JUN-87	22:52:47	4819	3	256	479	464	157	0
S70525.H	26-JUN-87	23:01:50	4819	1	256	470	464	157	0
S70526.H	26-JUN-87	23:08:56	2	1	256	470	464	157	0
S70527.H	26-JUN-87	23:10:56	2	1	256	473	464	157	0
S70528.H	26-JUN-87	23:12:34	2	1	256	476	464	157	0
S70529.H	26-JUN-87	23:17:34	2	1	256	455	464	157	0
S70530.H	26-JUN-87	23:19:04	2	1	256	458	464	157	0
S70531.H	26-JUN-87	23:20:37	2	1	256	464	464	157	0
S70532.H	26-JUN-87	23:23:47	2	1	256	464	464	157	0
S70533.H	27-JUN-87	12:40:36	4819	1	256	465	465	157	0
S70534.H	28-JUN-87	12:46:56	4819	1	256	471	465	157	0
S70535.H	27-JUN-87	12:49:29	4819	2	250	471	465	157	0
S70536.H	27-JUN-87	12:51:53	4819	3	256	471	465	157	0
S70537.H	27-JUN-87	12:54:24	4819	1	256	459	465	157	0
S70538.H	27-JUN-87	12:56:49	4819	2	256	459	465	157	0
S70539.H	27-JUN-87	12:59:15	4819	3	256	459	465	157	0
S70540.H	27-JUN-87	13:02:40	4819	1	256	456	465	157	0
S70541.H	27-JUN-87	13:05:12	4819	2	256	456	465	157	0
S70542.H	27-JUN-87	13:08:13	4819	3	256	456	465	157	0
S70543.H	27-JUN-87	13:10:31	4819	1	256	456	465	157	0
S70544.H	27-JUN-87	13:12:54	4819	2	256	456	465	157	0
S70545.H	27-JUN-87	13:14:19	4819	3	256	456	465	157	0
S70546.H	27-JUN-87	13:23:13	4819	1	256	465	465	157	0
S70547.H	27-JUN-87	13:26:18	4819	2	256	465	465	157	0
S70548.H	27-JUN-87	13:28:57	4819	3	256	465	465	157	0
S70549.H	27-JUN-87	13:38:50	4819	1	256	474	465	157	0
S70550.H	27-JUN-87	13:41:20	4819	2	256	474	465	158	0
S70551.H	27-JUN-87	13:43:39	4819	3	256	474	465	158	0
S70552.H	27-JUN-87	13:46:28	4819	1	256	477	465	158	0
S70553.H	27-JUN-87	13:48:59	4819	2	256	477	465	158	0
S70554.H	27-JUN-87	13:51:19	4819	3	256	477	465	158	0
S70555.H	27-JUN-87	13:54:52	4891	1	256	477	465	158	0
S70556.H	27-JUN-87	13:56:50	4819	2	256	477	465	158	0
S70557.H	27-JUN-87	13:58:50	4819	3	256	477	465	158	0
S70558.H	27-JUN-87	14:01:45	4819	1	256	456	465	158	0
S70559.H	27-JUN-87	14:03:54	4819	2	256	456	465	158	0
S70560.H	27-JUN-87	14:05:53	4819	3	256	456	465	158	0
S70561.H	27-JUN-87	14:08:13	4819	1	256	459	465	158	0
S70562.H	27-JUN-87	14:10:36	4819	2	256	459	465	158	0
S70563.H	27-JUN-87	14:14:18	4819	1	256	459	465	158	0
S70564.H	27-JUN-87	14:16:32	4819	2	256	459	465	158	0
S70565.H	27-JUN-87	14:18:58	4819	3	256	459	465	158	0
S70566.H	27-JUN-87	14:21:07	4819	1	256	465	465	158	0
S70567.H	27-JUN-87	14:23:27	4819	2	256	465	465	158	0
S70568.H	27-JUN-87	14:25:26	4819	3	256	465	465	158	0
S70569.H	27-JUN-87	14:28:10	4819	1	256	471	465	158	0
S70570.H	27-JUN-87	14:30:10	4819	2	256	471	465	158	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S70571.H	27-JUN-87	14:32:59	4819	3	256	471	465	158	0
S70572.H	27-JUN-87	14:35:44	4819	1	256	474	465	158	0
S70573.H	27-JUN-87	14:37:49	4819	1	256	477	465	158	0
S70574.H	27-JUN-87	14:44:51	4819	1	256	456	465	158	0
S70575.H	27-JUN-87	15:16:50	4819	1	256	456	465	158	0
S70576.H	27-JUN-87	15:19:12	4819	2	256	456	465	158	0
S70577.H	27-JUN-87	15:21:25	4819	3	256	456	465	158	0
S70578.H	27-JUN-87	15:26:23	4819	1	256	465	465	158	0
S70579.H	27-JUN-87	15:28:41	4819	2	256	465	465	158	0
S70580.H	27-JUN-87	15:30:06	4819	3	256	465	465	158	0
S70581.H	27-JUN-87	15:37:15	4819	1	256	471	465	158	0
S70582.H	27-JUN-87	15:39:50	4819	2	256	471	465	158	0
S70583.H	27-JUN-87	15:42:22	4819	3	256	471	465	158	0
S70584.H	27-JUN-87	15:46:14	4819	1	256	474	465	158	0
S70585.H	27-JUN-87	15:48:56	4819	2	256	474	465	158	0
S70586.H	27-JUN-87	15:51:52	4819	3	256	474	465	158	0
S70587.H	27-JUN-87	15:55:09	4819	1	256	477	465	158	0
S70588.H	27-JUN-87	15:57:46	4819	2	256	477	465	158	0
S70589.H	27-JUN-87	16:00:08	4819	3	256	477	465	158	0
S70590.H	27-JUN-87	16:04:46	4819	1	256	471	465	158	0
S70591.H	27-JUN-87	16:08:29	4819	2	256	471	465	158	0
S70592.H	27-JUN-87	16:10:57	4819	3	256	471	465	158	0
S70593.H	27-JUN-87	16:54:49	4819	1	256	471	465	158	0
S70594.H	27-JUN-87	16:57:48	4819	1	256	471	465	158	0
S70595.H	27-JUN-87	17:00:07	4819	1	256	471	465	158	0
S70596.H	27-JUN-87	17:02:50	4819	1	256	471	465	158	0
S70597.H	27-JUN-87	17:05:05	4819	1	256	471	465	158	0
S70598.H	27-JUN-87	17:07:22	4819	1	256	471	465	158	0
S70599.H	27-JUN-87	17:09:46	4819	1	256	471	465	158	0
S70600.H	27-JUN-87	17:12:12	4819	1	256	471	465	159	0
S70601.H	27-JUN-87	17:14:42	4819	1	256	471	465	159	0
S70602.H	27-JUN-87	17:16:58	4819	2	256	471	465	159	0
S70603.H	27-JUN-87	17:19:17	4819	3	256	471	465	159	0
S70604.H	27-JUN-87	17:25:55	4819	1	256	471	465	159	0
S70605.H	27-JUN-87	17:29:29	4819	1	256	471	465	159	0
S70606.H	27-JUN-87	17:31:41	4819	2	256	471	465	159	0
S70607.H	27-JUN-87	17:33:51	4819	3	256	471	465	159	0
S70608.H	27-JUN-87	17:38:30	4819	1	256	459	465	159	0
S70609.H	27-JUN-87	17:40:02	4819	1	256	459	465	159	0
S70610.H	27-JUN-87	17:44:14	4819	2	256	459	465	159	0
S70611.H	27-JUN-87	17:46:43	4819	3	256	459	465	159	0
S70612.H	27-JUN-87	17:51:06	4819	1	1	471	465	159	0
S70613.H	27-JUN-87	17:55:02	4819	1	1	471	465	159	0
S70614.H	27-JUN-87	18:15:44	4819	1	1024	471	465	159	0
S70615.H	27-JUN-87	18:23:37	4819	1	1024	471	465	159	0
S70616.H	27-JUN-87	18:29:34	4819	1	1	471	465	159	0
S70617.H	27-JUN-87	18:32:22	4819	1	1	471	465	159	0
S70618.H	27-JUN-87	18:45:21	4819	1	1	471	465	159	0
S70619.H	27-JUN-87	18:46:45	4819	1	1	471	465	159	0
S70620.H	27-JUN-87	18:57:23	4819	1	1024	471	465	159	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70621.H	27-JUN-87	19:05:14	4819	1	1024	471	465	159	0
S70622.H	27-JUN-87	19:14:42	4819	1	256	471	465	159	0
S70623.H	27-JUN-87	19:17:02	4819	2	256	471	465	159	0
S70624.H	27-JUN-87	19:19:11	4819	3	256	471	465	159	0
S70625.H	27-JUN-87	19:23:31	0	1	256	471	465	159	0
S70626.H	27-JUN-87	19:27:07	4819	2	256	471	465	159	0
S70627.H	27-JUN-87	19:29:37	4819	3	256	471	465	159	0
S70628.H	27-JUN-87	19:35:17	4819	1	256	471	465	159	0
S70629.H	27-JUN-87	19:37:11	4819	2	256	471	465	159	0
S70630.H	27-JUN-87	19:39:01	4819	3	256	471	465	159	0
S70631.H	27-JUN-87	19:42:00	4819	1	256	459	465	159	0
S70632.H	27-JUN-87	19:43:58	4819	2	256	459	465	159	0
S70633.H	27-JUN-87	19:45:56	4819	3	256	459	465	159	0
S70634.H	27-JUN-87	19:48:27	4819	1	256	459	465	159	0
S70635.H	27-JUN-87	20:34:17	4819	1	256	459	465	159	0
S70636.H	27-JUN-87	20:36:06	4819	2	256	459	465	159	0
S70637.H	27-JUN-87	20:37:59	4819	3	256	459	465	159	0
S70638.H	27-JUN-87	20:41:15	2	1	1	459	465	159	0
S70639.H	27-JUN-87	20:43:48	2	1	32	459	465	159	0
S70640.H	27-JUN-87	20:44:54	2	1	64	459	465	159	0
S70641.H	27-JUN-87	20:46:18	2	1	128	459	465	159	0
S70642.H	27-JUN-87	20:52:13	2	1	256	459	465	159	0
S70643.H	27-JUN-87	20:56:30	2	1	256	459	465	159	0
S70644.H	27-JUN-87	20:57:52	2	1	128	459	465	159	0
S70645.H	27-JUN-87	20:58:49	2	1	64	459	465	159	0
S70646.H	27-JUN-87	20:59:46	2	1	32	459	465	159	0
S70647.H	27-JUN-87	21:00:30	2	1	1	459	465	159	0
S70648.H	28-JUN-87	10:20:44	2	1	256	465	465	159	0
S70649.H	28-JUN-87	14:50:30	2	1	256	465	465	159	0
S70650.H	28-JUN-87	20:03:23	2	1	256	465	465	160	0
S70651.H	28-JUN-87	23:30:55	2	1	128	465	465	160	0
S70652.H	28-JUN-87	15:19:23	2	1	128	465	465	160	0
S70653.H	28-JUN-87	15:20:01	2	1	1	465	465	160	0
S70654.H	28-JUN-87	12:51:52	2	1	1	465	465	160	0
S70655.H	28-JUN-87	13:03:13	2	1	256	465	465	160	0
S70656.H	28-JUN-87	13:06:26	2	1	256	465	465	160	0
S70657.H	28-JUN-87	13:07:36	2	1	128	459	465	160	0
S70658.H	28-JUN-87	13:08:02	2	1	1	459	465	160	0
S70659.H	28-JUN-87	13:08:32	2	1	1	459	465	160	0
S70660.H	28-JUN-87	13:09:47	4819	1	128	459	465	160	0
S70661.H	28-JUN-87	14:23:34	4819	1	256	470	464	160	0
S70662.H	28-JUN-87	14:26:02	4819	2	256	470	464	160	0
S70663.H	28-JUN-87	14:28:17	4819	3	256	470	464	160	0
S70664.H	28-JUN-87	14:40:43	4819	1	256	458	464	160	0
S70665.H	28-JUN-87	14:56:05	4819	2	256	458	464	160	0
S70666.H	28-JUN-87	14:58:31	4819	3	256	458	464	160	0
S70667.H	28-JUN-87	15:09:10	0	1	256	458	464	160	0
S70668.H	28-JUN-87	15:18:18	4819	1	256	464	464	160	0
S70669.H	28-JUN-87	15:20:36	4819	2	256	464	464	160	0
S70670.H	28-JUN-87	15:22:57	4819	3	256	464	464	160	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70671.H	28-JUN-87	15:30:54	4819	1	256	470	464	160	0
S70672.H	28-JUN-87	15:33:31	4819	2	256	470	464	160	0
S70673.H	28-JUN-87	15:35:59	4819	3	256	470	464	160	0
S70674.H	28-JUN-87	15:42:21	4819	1	256	473	464	160	0
S70675.H	28-JUN-87	15:45:14	4819	2	256	473	464	160	0
S70676.H	28-JUN-87	15:47:38	4819	3	256	473	464	160	0
S70677.H	28-JUN-87	15:54:39	4819	1	256	455	464	160	0
S70678.H	28-JUN-87	15:57:48	4819	2	256	455	464	160	0
S70679.H	28-JUN-87	16:00:41	4819	3	256	455	464	160	0
S70680.H	28-JUN-87	16:27:20	0	2	256	455	464	160	0
S70681.H	28-JUN-87	16:31:40	0	2	256	473	464	160	0
S70682.H	28-JUN-87	17:15:28	4820	1	256	475	469	160	0
S70683.H	28-JUN-87	17:18:01	4820	2	256	475	469	160	0
S70684.H	28-JUN-87	17:20:29	4820	3	256	475	469	160	0
S70685.H	28-JUN-87	17:24:34	4820	1	256	463	469	160	0
S70686.H	28-JUN-87	17:26:49	4820	2	256	463	469	160	0
S70687.H	28-JUN-87	17:29:15	4820	3	256	463	469	160	0
S70688.H	28-JUN-87	17:41:19	4820	1	256	460	469	160	0
S70689.H	28-JUN-87	17:43:43	4820	2	256	460	469	160	0
S70690.H	28-JUN-87	17:46:05	4820	3	256	460	469	160	0
S70691.H	28-JUN-87	17:49:50	4820	1	256	478	469	160	0
S70692.H	28-JUN-87	17:52:22	4820	2	256	478	469	160	0
S70693.H	28-JUN-87	17:54:46	4820	3	256	478	469	160	0
S70694.H	28-JUN-87	18:00:50	4820	1	256	469	469	160	0
S70695.H	28-JUN-87	18:03:36	4820	2	256	469	469	160	0
S70696.H	28-JUN-87	18:05:58	4820	3	256	469	469	160	0
S70697.H	28-JUN-87	18:11:12	4820	1	256	481	469	160	0
S70698.H	28-JUN-87	18:14:07	4820	2	256	481	469	160	0
S70699.H	28-JUN-87	18:16:54	4820	3	256	481	469	160	0
S70700.H	28-JUN-87	18:27:32	4820	1	256	481	469	160	0
S70701.H	28-JUN-87	18:30:02	4820	2	256	481	469	160	0
S70702.H	28-JUN-87	18:33:05	4820	3	256	481	469	160	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S70707.H	15-JUL-87	13:49:52	2	1	250	475	469	161	0
S70708.H	15-JUL-87	13:54:02	2	1	256	463	469	161	0
S70709.H	15-JUL-87	13:58:55	2	1	256	463	469	161	0
S70710.H	15-JUL-87	14:01:39	2	1	256	475	469	161	0
S70711.H	15-JUL-87	14:11:01	2	1	256	475	469	161	0
S70712.H	15-JUL-87	14:13:55	2	1	256	463	469	161	0
S70713.H	15-JUL-87	14:31:55	2	1	256	475	469	161	0
S70714.H	15-JUL-87	14:35:27	2	1	256	475	469	161	0
S70715.H	15-JUL-87	14:39:02	2	1	250	463	469	161	0
S70716.H	15-JUL-87	14:43:56	2	1	256	463	469	161	0
S70717.H	15-JUL-87	14:48:06	2	1	256	475	469	161	0
S70718.H	15-JUL-87	14:52:59	2	1	256	475	469	161	0
S70719.H	15-JUL-87	14:56:22	2	1	256	463	469	161	0
S70720.H	15-JUL-87	14:59:57	2	1	256	463	469	161	0
S70721.H	15-JUL-87	15:03:02	2	1	256	463	469	161	0
S70722.H	15-JUL-87	15:07:35	2	1	256	475	469	161	0
S70723.H	15-JUL-87	15:09:57	2	1	256	463	469	161	0
S70724.H	15-JUL-87	15:13:29	2	1	256	463	469	161	0
S70725.H	15-JUL-87	15:15:33	2	1	256	475	469	161	0
S70726.H	15-JUL-87	15:19:30	2	1	256	475	469	161	0
S70727.H	15-JUL-87	15:22:07	2	1	256	463	469	161	0
S70728.H	15-JUL-87	15:25:19	2	1	256	463	469	161	0
S70729.H	15-JUN-87	15:28:00	2	1	256	475	469	161	0
S70730.H	15-JUL-87	15:32:35	2	1	256	475	469	161	0
S70731.H	15-JUL-87	15:41:08	2	1	256	475	469	161	0
S70732.H	15-JUL-87	15:48:56	2	1	256	475	469	161	0
S70733.H	15-JUL-87	15:52:05	2	1	256	475	469	161	0
S70734.H	15-JUL-87	15:54:31	2	3	256	475	469	161	0
S70735.H	15-JUL-87	15:57:33	2	1	256	475	469	161	0
S70736.H	15-JUL-87	18:23:49	2	1	256	475	469	161	0
S70737.H	15-JUL-87	18:26:12	2	1	256	463	469	161	0
S70738.H	15-JUL-87	18:31:07	2	1	256	463	469	161	0
S70739.H	15-JUL-87	18:33:46	2	1	256	475	469	161	0
S70740.H	15-JUL-87	18:38:51	2	1	256	475	469	161	0
S70741.H	15-JUL-87	18:44:18	2	1	256	475	469	161	0
S70742.H	15-JUL-87	18:46:39	2	1	256	463	469	161	0
S70743.H	15-JUL-87	18:54:32	2	1	256	463	469	161	0
S70744.H	15-JUL-87	18:57:16	2	1	256	475	469	161	0
S70745.H	15-JUL-87	19:04:11	2	1	256	475	469	161	0
S70746.H	15-JUL-87	19:06:40	2	1	256	463	469	161	0
S70747.H	15-JUL-87	19:11:54	2	1	256	475	469	161	0
S70748.H	16-JUL-87	13:27:17	2	1	256	473	467	161	0
S70749.H	16-JUL-87	13:29:54	2	1	256	461	467	161	0
S70750.H	16-JUL-87	13:33:32	2	1	256	461	467	162	0
S70751.H	16-JUL-87	13:36:07	2	1	256	473	467	162	0
S70752.H	16-JUL-87	13:39:51	2	1	256	473	467	162	0
S70753.H	16-JUL-87	13:43:00	2	1	256	461	467	162	0
S70754.H	16-JUL-87	13:46:49	2	1	256	461	467	162	0
S70755.H	16-JUL-87	13:49:27	2	1	256	473	467	162	0
S70756.H	16-JUL-87	13:54:00	2	1	256	473	467	162	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70757.H	16-JUL-87	13:56:44	2	1	256	461	467	162	0
S70758.H	16-JUL-87	13:59:52	2	1	256	461	467	162	0
S70759.H	16-JUL-87	14:02:31	2	1	256	473	467	162	0
S70760.H	16-JUL-87	14:06:18	2	1	256	473	467	162	0
S70761.H	16-JUL-87	14:08:43	2	1	256	473	467	162	0
S70762.H	16-JUL-87	14:12:08	2	1	256	461	467	162	0
S70763.H	16-JUL-87	14:14:43	2	1	256	473	467	162	0
S70764.H	16-JUL-87	14:18:43	2	1	256	473	467	162	0
S70765.H	16-JUL-87	14:21:20	2	1	256	461	467	162	0
S70766.H	16-JUL-87	14:26:53	0	1	256	473	467	162	0
S70767.H	20-JUL-87	14:09:27	0	1	256	474	468	162	0
S70768.H	20-JUL-87	14:11:40	0	2	256	474	468	162	0
S70769.H	20-JUL-87	14:13:48	0	3	256	474	468	162	0
S70770.H	20-JUL-87	14:17:29	0	1	256	462	468	162	0
S70771.H	20-JUL-87	14:19:33	0	2	256	462	468	162	0
S70772.H	20-JUL-87	14:21:45	0	3	256	462	468	162	0
S70773.H	20-JUL-87	14:34:27	0	1	256	468	468	162	0
S70774.H	20-JUL-87	14:36:34	2	2	256	468	468	162	0
S70775.H	20-JUL-87	14:38:24	2	3	256	468	468	162	0
S70776.H	20-JUL-87	14:59:27	2	1	256	474	468	162	0
S70777.H	20-JUL-87	15:01:28	2	1	256	474	468	162	0
S70778.H	20-JUL-87	15:03:12	2	3	256	474	468	162	0
S70779.H	20-JUL-87	15:05:59	2	1	256	462	468	162	0
S70780.H	20-JUL-87	15:07:50	2	2	256	462	468	162	0
S70781.H	20-JUL-87	15:09:42	2	3	256	462	468	162	0
S70782.H	20-JUL-87	15:11:54	2	1	256	468	468	162	0
S70783.H	20-JUL-87	15:13:40	2	2	256	468	468	162	0
S70784.H	20-JUL-87	15:15:30	2	3	256	468	468	162	0
S70785.H	20-JUL-87	15:20:49	2	1	256	462	468	162	0
S70786.H	20-JUL-87	15:22:49	2	1	256	468	468	162	0
S70787.H	20-JUL-87	15:24:46	2	1	256	474	468	162	0
S70788.H	20-JUL-87	15:27:04	2	1	256	474	468	162	0
S70789.H	20-JUL-87	15:31:57	2	1	256	477	468	162	0
S70790.H	20-JUL-87	15:33:56	2	2	256	477	468	162	0
S70791.H	20-JUL-87	15:38:06	2	3	256	477	468	162	0
S70792.H	20-JUL-87	15:42:19	2	1	256	459	468	162	0
S70793.H	20-JUL-87	15:44:07	2	2	256	459	468	162	0
S70794.H	20-JUL-87	15:45:53	2	3	256	459	468	162	0
S70795.H	20-JUL-87	15:48:23	0	1	256	459	468	162	0
S70796.H	20-JUL-87	15:51:02	0	1	256	477	468	162	0
S70797.H	20-JUL-87	19:53:02	4824	1	256	474	468	162	0
S70798.H	20-JUL-87	19:54:31	4824	2	256	474	468	162	0
S70799.H	20-JUL-87	19:55:58	4824	3	256	474	468	162	0
S70800.H	20-JUL-87	19:59:26	4824	1	256	462	468	163	1
S70801.H	20-JUL-87	20:00:58	4824	2	256	462	468	163	1
S70802.H	20-JUL-87	20:02:30	4824	3	256	462	468	163	1
S70803.H	20-JUL-87	20:04:43	4824	1	256	468	468	163	1
S70804.H	20-JUL-87	20:06:06	4824	2	256	468	468	163	1
S70805.H	20-JUL-87	20:08:10	4824	3	256	468	468	163	1
S70806.H	21-JUL-87	13:58:28	4824	1	256	462	468	163	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70807.H	21-JUL-87	14:00:29	4824	2	256	462	468	163	1
S70808.H	21-JUL-87	14:02:22	4824	3	256	462	468	163	1
S70809.H	21-JUL-87	14:04:41	4824	1	256	468	468	163	1
S70810.H	21-JUL-87	14:06:45	4824	2	256	468	468	163	1
S70811.H	21-JUL-87	14:08:21	4824	3	256	468	468	163	1
S70812.H	21-JUL-87	14:10:39	4824	1	256	474	468	163	1
S70812.H	21-JUL-87	14:12:41	4824	2	256	474	468	163	1
S70814.H	21-JUL-87	14:14:37	4824	3	256	474	468	163	1
S70815.H	21-JUL-87	14:19:42	0	1	256	474	468	163	1
S70816.H	21-JUL-87	14:21:53	0	1	256	462	468	163	1
S70817.H	21-JUL-87	14:23:53	0	1	256	468	468	163	1
S70818.H	21-JUL-87	14:25:41	0	1	256	468	468	163	1
S70819.H	21-JUL-87	14:29:56	4824	1	256	462	468	163	1
S70820.H	21-JUL-87	14:31:35	4824	2	256	462	468	163	1
S70821.H	21-JUL-87	14:33:07	4824	3	256	462	468	163	1
S70822.H	21-JUL-87	14:35:22	4824	1	256	474	468	163	1
S70823.H	21-JUL-87	14:36:56	4824	2	256	474	468	163	1
S70824.H	21-JUL-87	14:38:27	4824	3	256	474	468	163	1
S70825.H	21-JUL-87	14:40:40	4824	1	256	477	468	163	1
S70826.H	21-JUL-87	14:42:44	4824	2	256	477	468	163	1
S70827.H	21-JUL-87	14:44:19	4824	3	256	477	468	163	1
S70828.H	21-JUL-87	14:46:49	4824	1	256	459	468	163	1
S70829.H	21-JUL-87	14:49:28	4824	2	256	459	468	163	1
S70830.H	21-JUL-87	14:51:13	4824	3	256	459	468	163	1
S70831.H	21-JUL-87	15:02:24	4828	1	256	473	467	163	1
S70832.H	21-JUL-87	15:18:07	4828	1	256	473	467	163	1
S70833.H	21-JUL-87	15:20:37	4828	2	256	473	467	163	1
S70834.H	21-JUL-87	15:22:49	4828	3	256	473	467	163	1
S70835.H	21-JUL-87	15:25:40	4828	1	256	461	467	163	1
S70836.H	21-JUL-87	15:27:51	4828	2	256	461	467	163	1
S70837.H	21-JUL-87	15:30:03	4828	3	256	461	467	163	1
S70837.H	21-JUL-87	15:22:49	4828	3	256	473	467	163	1
S70835.H	21-JUL-87	15:25:40	4828	1	256	461	467	163	1
S70836.H	21-JUL-87	15:27:51	4828	2	256	461	467	163	1
S70837.H	21-JUL-87	15:30:03	4828	3	256	0	0	163	1
S70838.H	24-JUL-87	14:56:43	4826	1	256	473	467	163	1
S70839.H	24-JUL-87	15:00:07	4826	2	256	473	467	163	1
S70840.H	24-JUL-87	15:02:37	4826	3	256	473	467	163	1
S70841.H	24-JUL-87	15:09:11	4826	1	256	473	467	163	1
S70842.H	24-JUL-87	15:12:14	4826	2	256	473	467	163	1
S70843.H	24-JUL-87	15:19:35	4826	3	256	473	467	163	1
S70844.H	24-JUL-87	15:26:30	4826	1	256	461	467	163	1
S70845.H	24-JUL-87	19:59:12	4826	1	256	461	467	163	1
S70846.H	24-JUL-87	20:01:44	4826	2	256	461	467	163	1
S70847.H	24-JUL-87	20:04:07	4826	3	256	461	467	163	1
S70848.H	24-JUL-87	20:08:22	4826	1	256	473	467	163	1
S70849.H	24-JUL-87	20:11:16	4826	2	256	473	467	163	1
S70850.H	24-JUL-87	20:13:38	4826	3	256	473	467	164	1
S70851.H	24-JUL-87	20:16:24	4826	1	256	467	467	164	1
S70852.H	24-JUL-87	20:19:58	4826	2	256	467	467	164	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S70853.H	24-JUL-87	20:22:46	4826	3	256	467	467	164	1
S70854.H	24-JUL-87	20:27:05	0	1	256	461	467	164	1
S70855.H	24-JUL-87	20:29:42	0	1	256	467	467	164	1
S70856.H	24-JUL-87	20:32:12	0	1	256	473	467	164	1
S70857.H	24-JUL-87	20:34:58	0	1	256	473	467	164	1
S70858.H	24-JUL-87	20:39:43	4826	1	256	461	467	164	1
S70859.H	24-JUL-87	20:42:01	4826	2	256	461	467	164	1
S70860.H	24-JUL-87	20:44:20	4826	3	256	461	467	164	1
S70861.H	24-JUL-87	20:50:09	4826	1	256	473	467	164	1
S70862.H	24-JUL-87	20:52:15	4826	2	256	473	467	164	1
S70863.H	24-JUL-87	20:57:05	4826	3	256	473	467	164	1
S70864.H	24-JUL-87	21:02:32	4826	1	256	467	467	164	1
S70865.H	24-JUL-87	21:05:39	4826	2	256	467	467	164	1
S70866.H	24-JUL-87	21:17:09	4826	3	256	467	467	164	1
S70867.H	24-JUL-87	21:21:10	4826	1	256	473	467	164	1
S70868.H	24-JUL-87	21:23:05	4826	2	256	473	467	164	1
S70869.H	24-JUL-87	21:25:00	4826	3	256	473	467	164	1
S70870.H	24-JUL-87	21:27:45	4826	1	256	461	467	164	1
S70871.H	24-JUL-87	21:29:40	4826	2	256	461	467	164	1
S70872.H	24-JUL-87	21:31:37	4826	3	256	461	467	164	1
S70873.H	25-JUL-87	15:18:55	4831	1	256	480	471	164	1
S70874.H	25-JUL-87	15:21:19	4831	2	256	480	471	164	1
S70875.H	25-JUL-87	15:23:38	4831	3	256	480	471	164	1
S70876.H	25-JUL-87	15:26:29	4831	1	256	462	471	164	1
S70877.H	25-JUL-87	15:28:45	4831	2	256	462	471	164	1
S70878.H	25-JUL-87	15:31:02	4831	3	256	462	471	164	1
S70879.H	25-JUL-87	15:33:38	4831	1	256	471	471	164	1
S70880.H	25-JUL-87	15:36:01	4831	2	256	471	471	164	1
S70881.H	25-JUL-87	15:38:43	4831	3	256	471	471	164	1
S70882.H	25-JUL-87	15:53:02	4827	1	256	469	469	164	1
S70883.H	25-JUL-87	15:55:17	4827	2	256	469	469	164	1
S70884.H	25-JUL-87	15:58:03	4827	3	256	469	469	164	1
S70885.H	25-JUL-87	16:01:14	4827	1	256	478	469	164	1
S70886.H	25-JUL-87	16:03:45	4827	2	256	478	469	164	1
S70887.H	25-JUL-87	16:06:20	4827	3	256	478	469	164	1
S70888.H	25-JUL-87	16:09:16	4827	1	256	460	469	164	1
S70889.H	25-JUL-87	16:11:22	4827	2	256	460	469	164	1
S70891.H	25-JUL-87	16:15:40	4827	3	256	460	469	164	1
S70892.H	25-JUL-87	16:22:26	4827	1	512	460	469	164	1
S70893.H	25-JUL-87	16:26:31	4827	2	512	460	469	164	1
S70894.H	25-JUL-87	16:30:39	4827	3	512	460	469	164	1
S70895.H	25-JUL-87	16:35:19	4827	1	512	469	469	164	1
S70896.H	25-JUL-87	16:39:35	4827	2	512	469	469	164	1
S70897.H	25-JUL-87	16:43:51	4827	3	512	469	469	164	1
S70898.H	25-JUL-87	16:48:29	4827	1	512	478	469	164	1
S70899.H	25-JUL-87	16:52:40	4827	2	512	478	469	164	1
S70900.H	25-JUL-87	16:56:46	4827	3	512	478	469	165	1
S70901.H	25-JUL-87	17:11:42	4826	1	256	467	467	165	1
S70902.H	25-JUL-87	17:14:40	4826	2	256	467	467	165	1
S70903.H	25-JUL-87	17:18:43	4826	3	256	467	467	165	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S70904.H	25-JUL-87	17:26:10	4826	1	256	476	467	165	1
S70905.H	25-JUL-87	17:29:04	4826	2	256	476	467	165	1
S70906.H	25-JUL-87	17:32:31	4826	3	256	476	467	165	1
S70907.H	25-JUL-87	17:36:47	4826	1	256	458	467	165	1
S70908.H	25-JUL-87	17:39:29	4826	2	256	458	467	165	1
S70909.H	25-JUL-87	17:42:01	4826	3	256	458	467	165	1
S70910.H	25-JUL-87	18:10:15	4825	1	256	476	467	165	1
S70911.H	25-JUL-87	18:13:16	4825	2	256	476	467	165	1
S70912.H	25-JUL-87	18:16:14	4825	3	256	476	467	165	1
S70913.H	25-JUL-87	18:20:14	4825	1	256	458	467	165	1
S70914.H	25-JUL-87	18:22:40	4825	2	256	458	467	165	1
S70915.H	25-JUL-87	18:25:08	4825	3	256	458	467	165	1
S70916.H	25-JUL-87	18:28:46	4825	1	256	467	467	165	1
S70917.H	25-JUL-87	18:31:21	4825	2	256	467	467	165	1
S70918.H	25-JUL-87	18:33:51	4825	3	256	467	467	165	1
S70919.H	25-JUL-87	18:37:36	4829	1	256	476	467	165	1
S70920.H	25-JUL-87	18:40:07	4829	2	256	476	467	165	1
S70921.H	25-JUL-87	18:42:49	4829	3	256	476	467	165	1
S70922.H	25-JUL-87	19:00:19	4829	1	256	473	467	165	1
S70923.H	25-JUL-87	19:03:25	4829	2	256	473	467	165	1
S70924.H	25-JUL-87	19:05:53	4829	3	256	473	467	165	1
S70925.H	25-JUL-87	19:15:08	4829	1	256	473	467	165	1
S70926.H	25-JUL-87	19:36:05	0	3	256	476	467	165	1
S70927.H	25-JUL-87	19:41:40	0	3	256	460	467	165	1
S70928.H	25-JUL-87	19:44:22	0	3	256	469	467	165	1
S70929.H	25-JUL-87	19:47:01	0	3	256	478	467	165	1
S70930.H	25-JUL-87	19:51:30	0	3	256	478	467	165	1
S70931.H	26-JUL-87	15:07:23	4827	1	256	476	470	165	1
S70932.H	26-JUL-87	15:09:47	4827	2	256	476	470	165	1
S70933.H	26-JUL-87	15:12:10	4827	3	256	476	470	165	1
S70934.H	26-JUL-87	15:15:07	4827	1	256	464	470	165	1
S70935.H	26-JUL-87	15:17:32	4827	2	256	464	470	165	1
S70936.H	26-JUL-87	15:19:57	4827	3	256	464	470	165	1
S70937.H	26-JUL-87	15:22:43	4827	1	256	470	470	165	1
S70938.H	26-JUL-87	15:25:08	4827	2	256	470	470	165	1
S70939.H	26-JUL-87	15:27:31	4827	3	256	470	470	165	1
S70940.H	26-JUL-87	15:37:21	4827	1	256	477	468	165	1
S70941.H	26-JUL-87	15:39:37	4827	2	256	477	468	165	1
S70942.H	26-JUL-87	15:41:51	4827	3	256	477	468	165	1
S70943.H	26-JUL-87	15:44:46	4827	1	256	459	468	165	1
S70944.H	26-JUL-87	15:47:01	4827	2	256	459	468	165	1
S70945.H	26-JUL-87	15:57:44	4827	1	256	459	468	165	1
S70946.H	26-JUL-87	16:00:00	4827	2	256	459	468	165	1
S70947.H	26-JUL-87	16:02:16	4827	3	256	459	468	165	1
S70948.H	26-JUL-87	16:04:53	4827	1	256	468	468	165	1
S70949.H	26-JUL-87	16:07:12	4827	2	256	468	468	165	1
S70950.H	26-JUL-87	16:09:31	4827	3	256	468	468	166	1
S70951.H	26-JUL-87	16:15:06	0	3	256	459	468	166	1
S70952.H	26-JUL-87	16:17:12	0	3	256	462	468	166	1
S70953.H	26-JUL-87	16:19:16	0	3	256	468	468	166	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S70954.H	26-JUL-87	16:21:27	0	3	256	474	468	166	1
S70955.H	26-JUL-87	16:23:32	0	3	256	477	468	166	1
S70956.H	26-JUL-87	16:26:28	0	3	256	477	468	166	1
S70957.H	26-JUL-87	19:46:28	4831	1	256	479	470	166	1
S70958.H	26-JUL-87	19:49:05	4831	2	256	479	470	166	1
S70959.H	26-JUL-87	19:51:48	4831	3	256	479	470	166	1
S70960.H	26-JUL-87	19:54:48	4831	1	256	461	470	166	1
S70961.H	26-JUL-87	19:57:23	4831	2	256	461	470	166	1
S70962.H	26-JUL-87	19:59:54	4831	3	256	461	470	166	1
S70963.H	26-JUL-87	20:02:55	4831	1	256	470	470	166	1
S70964.H	26-JUL-87	20:05:40	4831	2	256	470	470	166	1
S70965.H	26-JUL-87	20:08:18	4831	3	256	470	470	166	1
S70966.H	26-JUL-87	20:13:10	4831	1	256	470	470	166	1
S70967.H	26-JUL-87	20:15:01	4831	2	256	470	470	166	1
S70968.H	26-JUL-87	20:16:49	4831	3	256	470	470	166	1
S70969.H	26-JUL-87	20:18:52	4831	1	256	479	470	166	1
S70970.H	26-JUL-87	20:20:44	4831	2	256	479	470	166	1
S70971.H	26-JUL-87	20:24:07	4831	3	256	479	470	166	1
S70972.H	26-JUL-87	20:27:37	4831	1	256	461	470	166	1
S70973.H	26-JUL-87	20:29:49	4831	2	256	461	470	166	1
S70974.H	26-JUL-87	20:31:57	4831	3	256	461	470	166	1
S70975.H	26-JUL-87	20:46:14	4827	1	256	478	469	166	1
S70976.H	26-JUL-87	20:48:45	4827	2	256	478	469	166	1
S70977.H	26-JUL-87	20:51:13	4827	3	256	478	469	166	1
S70978.H	26-JUL-87	20:53:55	4827	1	256	460	469	166	1
S70979.H	26-JUL-87	20:56:33	4827	2	256	460	469	166	1
S70980.H	26-JUL-87	20:59:01	4827	3	256	460	469	166	1
S70981.H	26-JUL-87	21:01:53	4827	1	256	469	469	166	1
S70982.H	26-JUL-87	21:04:02	4827	2	256	469	469	166	1
S70983.H	26-JUL-87	21:06:12	4827	3	256	469	469	166	1
S70984.H	26-JUL-87	21:12:13	4827	1	256	478	469	166	1
S70985.H	26-JUL-87	21:14:32	4827	2	256	478	469	166	1
S70986.H	26-JUL-87	21:16:22	4827	3	256	478	469	166	1
S70987.H	26-JUL-87	21:18:30	4827	1	256	460	469	166	1
S70988.H	31-JUL-87	14:20:05	4831	1	256	476	467	166	1
S70989.H	31-JUL-87	14:23:03	4831	2	256	476	467	166	1
S70990.H	31-JUL-87	14:25:46	4831	3	256	476	467	166	1
S70991.H	31-JUL-87	14:29:13	4831	1	256	458	467	166	1
S70992.H	31-JUL-87	14:31:57	4831	2	256	458	467	166	1
S70993.H	31-JUL-87	14:35:08	4831	3	256	458	467	166	1
S70994.H	31-JUL-87	14:39:14	4831	1	256	467	467	166	1
S70995.H	31-JUL-87	14:41:10	4831	2	256	467	467	166	1
S70996.H	31-JUL-87	14:43:17	4831	3	256	467	467	166	1
S70997.H	31-JUL-87	14:56:00	4831	1	256	467	467	166	1
S70998.H	31-JUL-87	14:57:44	4831	2	256	467	467	166	1
S70999.H	31-JUL-87	14:59:27	4831	3	256	467	467	166	1
S71000.H	31-JUL-87	15:04:29	4831	1	256	476	467	167	1
S71001.H	31-JUL-87	15:06:11	4831	2	256	476	467	167	1
S71002.H	31-JUL-87	15:08:00	4831	3	256	476	467	167	1
S71003.H	31-JUL-87	15:10:11	4831	1	256	458	467	167	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71004.H	31-JUL-87	15:15:21	4831	2	256	458	467	167	1
S71005.H	31-JUL-87	15:17:58	4831	3	256	458	467	167	1
S71006.H	31-JUL-87	15:39:16	4834	1	256	459	468	167	1
S71007.H	31-JUL-87	15:41:42	4834	2	256	459	468	167	1
S71008.H	31-JUL-87	15:44:10	4834	3	256	459	468	167	1
S71009.H	31-JUL-87	15:47:06	4834	1	256	477	468	167	1
S71010.H	31-JUL-87	15:49:31	4834	2	256	477	468	167	1
S71011.H	31-JUL-87	15:51:56	4834	3	256	477	468	167	1
S71012.H	31-JUL-87	15:54:52	4834	1	256	468	468	167	1
S71013.H	31-JUL-87	15:57:22	4834	2	256	468	468	167	1
S71014.H	31-JUL-87	15:59:54	4834	3	256	468	468	167	1
S71015.H	31-JUL-87	16:03:40	0	3	256	468	468	167	1
S71016.H	31-JUL-87	16:06:08	0	3	256	459	468	167	1
S71017.H	31-JUL-87	16:08:31	0	3	256	477	468	167	1
S71018.H	31-JUL-87	16:11:28	0	3	256	477	468	167	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71019.H	04-AUG-87	15:02:17	4835	1	256	475	469	167	1
S71020.H	04-AUG-87	15:04:06	4835	2	256	475	469	167	1
S71021.H	04-AUG-87	15:05:56	4835	3	256	475	469	167	1
S71022.H	04-AUG-87	15:07:56	4835	1	256	475	469	167	1
S71023.H	04-AUG-87	15:09:45	4835	2	256	475	469	167	1
S71024.H	04-AUG-87	15:11:32	4835	3	256	475	469	167	1
S71025.H	04-AUG-87	15:14:33	4835	1	256	463	469	167	1
S71026.H	04-AUG-87	15:16:21	4835	2	256	463	469	167	1
S71027.H	04-AUG-87	15:18:07	4835	3	256	463	469	167	1
S71028.H	04-AUG-87	15:20:15	4835	1	256	469	469	167	1
S71029.H	04-AUG-87	15:22:05	4835	2	256	469	469	167	1
S71030.H	04-AUG-87	15:23:55	4835	3	256	469	469	167	1
S71031.H	04-AUG-87	15:26:05	4835	1	256	478	469	167	1
S71032.H	04-AUG-87	15:27:52	4835	2	256	478	469	167	1
S71033.H	04-AUG-87	15:29:40	4835	3	256	478	469	167	1
S71034.H	04-AUG-87	15:33:06	4835	1	256	460	469	167	1
S71035.H	04-AUG-87	15:34:55	4835	2	256	460	469	167	1
S71036.H	04-AUG-87	15:37:18	4835	3	256	460	469	167	1
S71037.H	04-AUG-87	15:48:25	4834	1	256	475	466	167	1
S71038.H	04-AUG-87	15:50:24	4834	2	256	475	466	167	1
S71039.H	04-AUG-87	15:52:17	4834	3	256	475	466	167	1
S71040.H	04-AUG-87	15:54:53	4834	1	256	457	466	167	1
S71041.H	04-AUG-87	15:56:38	4834	2	256	457	466	167	1
S71042.H	04-AUG-87	15:59:46	4834	3	256	457	466	167	1
S71043.H	04-AUG-87	16:02:29	4834	1	256	466	466	167	1
S71044.H	04-AUG-87	16:04:18	4834	2	256	466	466	167	1
S71045.H	04-AUG-87	16:06:09	4834	3	256	466	466	167	1
S71046.H	04-AUG-87	16:11:45	0	3	256	466	466	167	1
S71047.H	04-AUG-87	16:14:02	0	3	256	457	466	167	1
S71048.H	04-AUG-87	16:16:06	0	3	256	475	466	167	1
S71049.H	04-AUG-87	16:18:19	0	3	256	475	466	167	1
S71050.H	05-AUG-87	14:29:50	4835	1	256	477	468	168	1
S71051.H	05-AUG-87	14:31:38	4835	2	256	477	468	168	1
S71052.H	05-AUG-87	14:33:27	4835	3	256	477	468	168	1
S71053.H	05-AUG-87	14:35:20	4835	1	256	477	468	168	1
S71054.H	05-AUG-87	14:37:05	4835	2	256	477	468	168	1
S71055.H	05-AUG-87	14:38:48	4835	3	256	477	468	168	1
S71056.H	05-AUG-87	14:41:08	4835	1	256	459	468	168	1
S71057.H	05-AUG-87	14:42:50	4835	2	256	459	468	168	1
S71058.H	05-AUG-87	14:44:31	4835	3	256	459	468	168	1
S71059.H	05-AUG-87	14:47:47	4835	1	256	468	468	168	1
S71060.H	05-AUG-87	14:49:35	4835	2	256	468	468	168	1
S71061.H	05-AUG-87	14:51:26	4835	3	256	468	468	168	1
S71062.H	05-AUG-87	14:58:43	4834	1	256	457	466	168	1
S71063.H	05-AUG-87	15:01:19	4834	2	256	457	466	168	1
S71064.H	05-AUG-87	15:03:04	4834	3	256	457	466	168	1
S71065.H	05-AUG-87	15:06:31	4834	1	256	466	466	168	1
S71066.H	05-AUG-87	15:08:14	4834	2	256	466	466	168	1
S71067.H	05-AUG-87	15:10:05	4834	3	256	466	466	168	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S71068.H	05-AUG-87	15:12:17	4834	1	256	475	466	168	1
S71069.H	05-AUG-87	15:14:30	4834	2	256	475	466	168	1
S71070.H	05-AUG-87	15:16:17	4834	3	256	475	466	168	1
S71071.H	05-AUG-87	15:19:14	0	3	256	475	466	168	1
S71072.H	05-AUG-87	15:21:05	0	3	256	457	466	168	1
S71073.H	05-AUG-87	15:22:39	0	3	256	466	466	168	1
S71074.H	09-AUG-87	15:46:59	4635	3	256	476	467	168	1
S71075.H	09-AUG-87	15:49:45	4635	1	256	476	467	168	1
S71076.H	09-AUG-87	15:52:17	4635	2	256	476	467	168	1
S71077.H	09-AUG-87	15:54:56	4635	3	256	476	467	168	1
S71078.H	09-AUG-87	15:58:12	4635	1	256	458	467	168	1
S71079.H	09-AUG-87	16:00:48	4635	2	256	458	467	168	1
S71080.H	09-AUG-87	16:07:32	4835	3	256	458	466	168	1
S71081.H	09-AUG-87	16:19:33	4835	1	256	467	467	168	1
S71082.H	09-AUG-87	16:22:18	4835	2	256	467	467	168	1
S71083.H	09-AUG-87	16:27:08	4835	3	256	467	467	168	1
S71084.H	09-AUG-87	16:37:22	0	3	256	458	467	168	1
S71085.H	09-AUG-87	16:41:58	0	3	256	467	467	168	1
S71086.H	09-AUG-87	16:47:52	0	3	256	476	467	168	1
S71087.H	09-AUG-87	16:57:45	4835	1	256	476	467	168	1
S71088.H	09-AUG-87	17:00:58	4835	2	256	476	467	168	1
S71089.H	09-AUG-87	17:03:44	4835	3	256	476	467	168	1
S71090.H	09-AUG-87	17:07:11	4835	1	256	458	467	168	1
S71091.H	09-AUG-87	17:34:55	4835	1	256	476	467	168	1
S71092.H	09-AUG-87	17:36:34	4835	2	256	476	467	168	1
S71093.H	09-AUG-87	17:38:17	4835	3	256	476	467	168	1
S71094.H	09-AUG-87	17:43:25	4835	1	256	458	467	168	1
S71095.H	09-AUG-87	17:45:11	4835	2	256	458	467	168	1
S71096.H	09-AUG-87	17:46:57	4835	3	256	458	467	168	1
S71097.H	09-AUG-87	17:52:39	4835	1	256	467	467	168	1
S71098.H	09-AUG-87	17:55:45	4835	2	256	467	467	168	1
S71099.H	09-AUG-87	18:01:49	4835	3	256	467	467	168	1
S71100.H	09-AUG-87	18:05:31	0	1	256	467	467	169	1
S71101.H	09-AUG-87	18:07:59	0	1	256	467	467	169	1
S71102.H	09-AUG-87	18:25:26	4835	1	256	476	467	169	1
S71103.H	09-AUG-87	18:28:02	4835	2	256	476	467	169	1
S71104.H	09-AUG-87	18:35:11	4835	3	256	476	467	169	1
S71105.H	09-AUG-87	18:38:54	4835	1	256	458	467	169	1
S71106.H	09-AUG-87	18:47:17	4835	2	256	458	467	169	1
S71107.H	09-AUG-87	18:55:55	4835	3	256	458	467	169	1
S71108.H	09-AUG-87	19:02:31	4835	1	256	476	467	169	1
S71109.H	09-AUG-87	19:04:56	4835	1	128	476	467	169	1
S71110.H	09-AUG-87	19:11:40	4835	1	64	476	467	169	1
S71111.H	11-AUG-87	14:18:16	4839	1	256	480	471	169	1
S71112.H	11-AUG-87	14:20:39	4839	2	256	480	471	169	1
S71113.H	11-AUG-87	14:23:03	4839	3	256	480	471	169	1
S71114.H	11-AUG-87	14:26:44	4839	1	256	462	471	169	1
S71115.H	11-AUG-87	14:29:10	4839	2	256	462	471	169	1
S71116.H	11-AUG-87	14:31:37	4839	3	256	462	471	169	1
S71117.H	11-AUG-87	14:33:42	4839	1	128	462	471	169	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71118.H	11-AUG-87	14:35:17	4839	2	128	462	471	169	1
S71119.H	11-AUG-87	14:36:52	4839	3	128	462	471	169	1
S71120.H	11-AUG-87	14:38:55	4839	1	128	480	471	169	1
S71121.H	11-AUG-87	14:40:28	4839	2	128	480	471	169	1
S71122.H	11-AUG-87	14:42:03	4839	3	128	480	471	169	1
S71123.H	11-AUG-87	14:43:39	4839	1	64	480	471	169	1
S71124.H	11-AUG-87	14:44:49	4839	2	64	480	471	169	1
S71125.H	11-AUG-87	14:48:44	4839	3	64	480	471	169	1
S71126.H	11-AUG-87	14:52:05	0	3	64	480	471	169	1
S71127.H	11-AUG-87	14:53:38	0	3	128	480	471	169	1
S71128.H	11-AUG-87	14:56:19	0	3	64	480	471	169	1
S71129.H	11-AUG-87	14:57:54	0	3	128	480	471	169	1
S71130.H	11-AUG-87	15:00:02	0	3	256	480	471	169	1
S71131.H	13-AUG-87	15:37:25	4839	1	128	479	470	169	1
S71132.H	13-AUG-87	15:40:16	4839	2	128	479	470	169	1
S71133.H	13-AUG-87	15:46:45	4839	3	128	479	470	169	1
S71134.H	13-AUG-87	15:53:52	4839	1	128	461	470	169	1
S71135.H	13-AUG-87	16:04:53	4839	2	128	461	470	169	1
S71136.H	13-AUG-87	16:13:56	4839	3	128	461	470	169	1
S71137.H	13-AUG-87	17:13:58	4841	1	64	479	470	169	1
S71138.H	13-AUG-87	17:19:29	4841	1	64	479	470	169	1
S71139.H	13-AUG-87	17:56:46	4841	1	64	479	470	169	1
S71140.H	13-AUG-87	18:05:26	4841	1	128	479	470	169	1
S71141.H	14-AUG-87	13:04:16	4841	1	128	479	470	169	1
S71142.H	14-AUG-87	13:05:55	4841	2	128	479	470	169	1
S71143.H	14-AUG-87	13:07:24	4841	3	128	479	470	169	1
S71144.H	14-AUG-87	13:13:28	4841	1	128	470	470	169	1
S71145.H	14-AUG-87	13:14:58	4841	2	128	470	470	169	1
S71146.H	14-AUG-87	13:16:32	4841	3	128	470	470	169	1
S71147.H	14-AUG-87	13:19:19	4841	1	128	459	0	169	1
S71148.H	14-AUG-87	13:21:56	4841	2	128	461	470	169	1
S71149.H	14-AUG-87	13:23:28	4841	3	128	461	470	169	1
S71150.H	14-AUG-87	13:30:38	4841	1	128	479	470	170	1
S71151.H	14-AUG-87	13:32:09	4841	2	128	479	470	170	1
S71152.H	14-AUG-87	13:33:46	4841	3	128	479	470	170	1
S71153.H	14-AUG-87	13:40:52	4839	1	128	460	469	170	1
S71154.H	14-AUG-87	13:42:19	4839	2	128	460	469	170	1
S71155.H	14-AUG-87	13:43:48	4839	3	128	460	469	170	1
S71156.H	14-AUG-87	13:45:39	4839	1	128	469	469	170	1
S71157.H	14-AUG-87	13:52:45	4839	1	128	458	467	170	1
S71158.H	14-AUG-87	13:54:06	4839	2	128	458	467	170	1
S71159.H	14-AUG-87	13:55:32	4839	3	128	458	467	170	1
S71160.H	14-AUG-87	13:57:31	4839	1	128	467	467	170	1
S71161.H	14-AUG-87	13:58:55	4839	2	128	467	467	170	1
S71162.H	14-AUG-87	14:00:35	4839	3	128	467	467	170	1
S71163.H	14-AUG-87	14:02:24	4839	1	128	476	467	170	1
S71164.H	14-AUG-87	14:04:11	4839	2	128	476	467	170	1
S71165.H	14-AUG-87	14:05:44	4839	3	128	476	467	170	1
S71166.H	14-AUG-87	14:17:28	0	3	128	476	467	170	1
S71167.H	14-AUG-87	14:19:12	0	3	128	458	467	170	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71168.H	14-AUG-87	14:20:37	0	3	128	467	467	170	1
S71169.H	14-AUG-87	14:22:24	0	3	128	467	467	170	1
S71170.H	14-AUG-87	14:28:03	4839	1	128	458	467	170	1
S71171.H	14-AUG-87	14:31:16	4839	2	128	458	467	170	1
S71172.H	14-AUG-87	14:32:52	4839	3	128	458	467	170	1
S71173.H	14-AUG-87	14:35:13	4839	1	128	476	467	170	1
S71174.H	14-AUG-87	14:36:47	4839	2	128	476	467	170	1
S71175.H	14-AUG-87	14:38:20	4839	3	128	476	467	170	1
S71176.H	14-AUG-87	16:07:03	4839	1	128	458	467	170	1
S71177.H	14-AUG-87	16:08:47	4839	2	128	458	467	170	1
S71178.H	14-AUG-87	16:10:27	4839	3	128	458	467	170	1
S71179.H	14-AUG-87	16:13:59	4839	1	128	467	467	170	1
S71180.H	14-AUG-87	16:15:32	4839	2	128	467	467	170	1
S71181.H	14-AUG-87	16:17:05	4839	3	128	467	467	170	1
S71182.H	14-AUG-87	16:19:06	4839	1	128	476	467	170	1
S71183.H	14-AUG-87	16:20:38	4839	2	128	476	467	170	1
S71184.H	14-AUG-87	16:22:11	4839	3	128	476	467	170	1
S71185.H	14-AUG-87	16:26:55	4839	1	256	476	467	170	1
S71186.H	14-AUG-87	16:29:35	4839	2	256	476	467	170	1
S71187.H	14-AUG-87	16:32:08	4839	3	256	476	467	170	1
S71188.H	14-AUG-87	16:36:37	4839	1	256	458	467	170	1
S71189.H	14-AUG-87	16:39:13	4839	2	256	458	467	170	1
S71190.H	14-AUG-87	16:41:47	4839	3	256	458	467	170	1
S71191.H	14-AUG-87	16:46:17	4839	1	128	458	467	170	1
S71192.H	14-AUG-87	16:48:01	4839	2	128	458	467	170	1
S71193.H	14-AUG-87	16:51:12	4839	3	128	458	467	170	1
S71194.H	14-AUG-87	19:11:57	4839	1	128	476	467	170	1
S71195.H	14-AUG-87	19:13:53	4839	2	128	476	467	170	1
S71196.H	14-AUG-87	19:15:38	4839	3	128	476	467	170	1
S71197.H	14-AUG-87	19:18:39	4839	1	128	458	467	170	1
S71198.H	14-AUG-87	19:26:46	4839	2	128	458	467	170	1
S71199.H	14-AUG-87	19:28:25	4839	3	128	458	467	170	1
S71200.H	14-AUG-87	19:32:52	4839	1	128	467	467	171	1
S71201.H	14-AUG-87	19:36:57	4839	2	128	467	467	171	1
S71202.H	14-AUG-87	19:38:35	4839	3	128	467	467	171	1
S71203.H	14-AUG-87	20:33:25	4839	1	128	467	467	171	1
S71204.H	14-AUG-87	20:34:41	4839	2	128	467	467	171	1
S71205.H	14-AUG-87	20:35:38	4839	3	128	467	467	171	1
S71206.H	14-AUG-87	20:39:40	4839	1	128	476	467	171	1
S71207.H	14-AUG-87	20:40:55	4839	2	128	476	467	171	1
S71208.H	14-AUG-87	20:42:09	4839	3	128	476	467	171	1
S71209.H	14-AUG-87	20:44:09	4839	1	128	458	467	171	1
S71210.H	14-AUG-87	20:45:23	4839	2	128	458	467	171	1
S71211.H	14-AUG-87	20:46:40	4839	3	128	458	467	171	1
S71212.H	15-AUG-87	13:35:31	4839	1	128	477	468	171	1
S71213.H	15-AUG-87	13:36:44	4839	2	128	477	468	171	1
S71214.H	15-AUG-87	13:37:55	4839	3	128	477	468	171	1
S71215.H	15-AUG-87	13:39:43	4839	1	128	459	468	171	1
S71216.H	15-AUG-87	13:40:55	4839	2	128	459	468	171	1
S71217.H	15-AUG-87	13:42:09	4839	3	128	459	468	171	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71218.H	15-AUG-87	13:43:45	4839	1	128	468	468	171	1
S71219.H	15-AUG-87	13:45:06	4839	2	128	468	468	171	1
S71220.H	15-AUG-87	13:46:20	4839	3	128	468	468	171	1
S71221.H	15-AUG-87	13:53:00	4841	1	128	479	470	171	1
S71222.H	15-AUG-87	13:54:21	4841	2	128	479	470	171	1
S71223.H	15-AUG-87	13:55:44	4841	3	128	479	470	171	1
S71224.H	15-AUG-87	13:57:36	4841	1	128	461	470	171	1
S71225.H	15-AUG-87	13:58:31	4841	2	128	461	470	171	1
S71226.H	15-AUG-87	13:59:34	4841	3	128	461	470	171	1
S71227.H	15-AUG-87	14:00:45	4841	1	128	470	470	171	1
S71228.H	15-AUG-87	14:02:10	4841	2	128	470	470	171	1
S71229.H	15-AUG-87	14:03:16	4841	3	128	470	470	171	1
S71230.H	15-AUG-87	14:10:15	4841	1	128	479	470	171	1
S71231.H	15-AUG-87	14:11:32	4841	2	128	479	470	171	1
S71232.H	15-AUG-87	14:12:49	4841	3	128	479	470	171	1
S71233.H	15-AUG-87	14:14:32	4841	1	128	461	470	171	1
S71234.H	15-AUG-87	14:16:17	4841	2	128	461	470	171	1
S71235.H	15-AUG-87	14:18:12	4841	3	128	461	470	171	1
S71236.H	15-AUG-87	14:28:26	0	3	128	468	468	171	1
S71237.H	15-AUG-87	14:33:17	0	3	128	477	468	171	1
S71238.H	15-AUG-87	14:36:06	0	3	128	459	468	171	1
S71239.H	15-AUG-87	14:38:10	0	3	128	459	468	171	1
S71240.H	15-AUG-87	14:50:26	4839	1	128	459	468	171	1
S71241.H	15-AUG-87	14:51:50	4839	2	128	459	468	171	1
S71242.H	15-AUG-87	14:53:42	4839	3	128	459	468	171	1
S71243.H	15-AUG-87	14:58:08	4839	1	128	468	468	171	1
S71244.H	15-AUG-87	14:59:34	4839	2	128	468	468	171	1
S71245.H	15-AUG-87	15:01:21	4839	3	128	468	468	171	1
S71246.H	15-AUG-87	15:03:10	4839	1	128	477	468	171	1
S71247.H	15-AUG-87	15:04:24	4839	2	128	477	468	171	1
S71248.H	15-AUG-87	15:05:50	4839	3	128	477	468	171	1
S71249.H	15-AUG-87	15:09:10	4839	1	256	477	468	171	1
S71250.H	15-AUG-87	15:11:19	4839	2	256	477	468	172	1
S71251.H	15-AUG-87	15:13:17	4839	3	256	477	468	172	1
S71252.H	15-AUG-87	15:20:31	4832	1	128	479	470	172	1
S71253.H	15-AUG-87	15:21:55	4832	2	128	479	470	172	1
S71254.H	15-AUG-87	15:23:13	4832	3	128	479	470	172	1
S71255.H	15-AUG-87	15:25:35	4832	1	256	479	470	172	1
S71256.H	15-AUG-87	15:27:40	4832	2	256	479	470	172	1
S71257.H	15-AUG-87	15:29:30	4832	3	256	479	470	172	1
S71258.H	15-AUG-87	15:32:14	4832	1	128	459	470	172	1
S71259.H	15-AUG-87	15:33:27	4832	2	128	459	470	172	1
S71260.H	15-AUG-87	15:34:43	4832	3	128	459	470	172	1
S71261.H	15-AUG-87	15:37:06	4832	1	128	470	470	172	1
S71262.H	15-AUG-87	15:38:31	4832	2	128	470	470	172	1
S71263.H	15-AUG-87	15:39:48	4832	3	128	470	470	172	1
S71264.H	15-AUG-87	15:46:50	4839	1	128	477	468	172	1
S71265.H	15-AUG-87	15:48:06	4839	2	128	477	468	172	1
S71266.H	15-AUG-87	15:49:30	4839	3	128	477	468	172	1
S71267.H	15-AUG-87	15:51:41	4839	1	128	459	468	172	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71268.H	15-AUG-87	15:52:57	4839	2	128	459	468	172	1
S71269.H	15-AUG-87	15:54:12	4839	3	128	459	468	172	1
S71270.H	15-AUG-87	15:56:09	4839	1	128	468	468	172	1
S71271.H	15-AUG-87	15:57:30	4839	2	128	468	468	172	1
S71272.H	15-AUG-87	15:58:55	4839	3	128	468	468	172	1
S71273.H	15-AUG-87	16:00:57	4839	1	128	480	468	172	1
S71274.H	15-AUG-87	16:02:16	4839	2	128	480	468	172	1
S71275.H	15-AUG-87	16:03:40	4839	3	128	480	468	172	1
S71276.H	15-AUG-87	16:10:30	4839	1	128	477	468	172	1
S71277.H	15-AUG-87	16:11:47	4839	2	128	477	468	172	1
S71278.H	15-AUG-87	16:13:03	4839	3	128	477	468	172	1
S71279.H	15-AUG-87	16:14:43	4839	1	128	459	468	172	1
S71280.H	15-AUG-87	16:15:58	4839	2	128	459	468	172	1
S71281.H	15-AUG-87	16:17:16	4839	3	128	459	468	172	1
S71282.H	15-AUG-87	16:18:51	4839	1	128	468	468	172	1
S71283.H	15-AUG-87	16:20:54	4839	2	128	468	468	172	1
S71284.H	15-AUG-87	16:22:09	4839	3	128	468	468	172	1
S71285.H	15-AUG-87	16:27:49	4839	1	512	477	468	172	1
S71286.H	15-AUG-87	16:30:48	4839	2	512	477	468	172	1
S71287.H	15-AUG-87	16:33:56	4839	3	512	477	468	172	1
S71288.H	15-AUG-87	16:37:23	4839	1	512	459	468	172	1
S71289.H	15-AUG-87	16:40:24	4839	2	512	459	468	172	1
S71290.H	15-AUG-87	16:43:31	4839	3	512	459	468	172	1
S71291.H	15-AUG-87	16:47:23	4839	1	128	477	468	172	1
S71292.H	15-AUG-87	16:48:38	4839	2	128	477	468	172	1
S71293.H	15-AUG-87	16:49:59	4839	3	128	477	468	172	1
S71294.H	15-AUG-87	16:51:42	4839	1	128	459	468	172	1
S71295.H	15-AUG-87	16:53:07	4839	2	128	459	468	172	1
S71296.H	15-AUG-87	16:54:34	4839	3	128	459	468	172	1
S71297.H	15-AUG-87	16:57:45	4839	1	128	477	468	172	1
S71298.H	15-AUG-87	16:59:01	4839	2	128	477	468	172	1
S71299.H	15-AUG-87	17:00:23	4839	3	128	477	468	172	1
S71300.H	15-AUG-87	17:01:49	4839	1	128	477	468	173	1
S71301.H	15-AUG-87	17:03:13	4839	2	128	477	468	173	1
S71302.H	15-AUG-87	17:04:35	4839	3	128	477	468	173	1
S71303.H	15-AUG-87	17:06:22	4839	1	128	477	468	173	1
S71304.H	15-AUG-87	17:07:48	4839	2	128	477	468	173	1
S71305.H	15-AUG-87	17:09:07	4839	3	128	477	468	173	1
S71306.H	15-AUG-87	17:13:21	4839	1	128	477	468	173	1
S71307.H	15-AUG-87	17:14:38	4839	2	128	477	468	173	1
S71308.H	15-AUG-87	17:15:58	4839	3	128	477	468	173	1
S71309.H	15-AUG-87	17:17:28	4839	1	128	477	468	173	1
S71310.H	15-AUG-87	17:18:46	4839	2	128	477	468	173	1
S71311.H	15-AUG-87	17:20:12	4839	3	128	477	468	173	1
S71312.H	15-AUG-87	17:52:23	4839	1	128	477	468	173	1
S71313.H	15-AUG-87	17:53:41	4839	2	128	477	468	173	1
S71314.H	15-AUG-87	17:54:57	4839	3	128	477	468	173	1
S71315.H	15-AUG-87	17:56:40	4839	1	128	480	468	173	1
S71316.H	15-AUG-87	17:57:57	4839	2	128	480	468	173	1
S71317.H	15-AUG-87	17:59:20	4839	3	128	480	468	173	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S71318.H	15-AUG-87	18:00:50	4839	1	128	483	468	173	1
S71319.H	15-AUG-87	18:02:32	4839	2	128	483	468	173	1
S71320.H	15-AUG-87	18:04:06	4839	3	128	483	468	173	1
S71321.H	15-AUG-87	18:26:30	4839	1	128	483	468	173	1
S71322.H	15-AUG-87	18:27:50	4839	2	128	483	468	173	1
S71323.H	15-AUG-87	18:29:13	4839	3	128	483	468	173	1
S71324.H	15-AUG-87	18:31:37	4839	1	128	459	468	173	1
S71325.H	15-AUG-87	18:33:07	4839	2	128	459	468	173	1
S71326.H	15-AUG-87	18:34:26	4839	3	128	459	468	173	1
S71327.H	15-AUG-87	18:38:17	4839	1	128	468	468	173	1
S71328.H	15-AUG-87	18:39:47	4839	2	128	468	468	173	1
S71329.H	15-AUG-87	18:41:42	4839	3	128	468	468	173	1
S71330.H	15-AUG-87	18:43:31	4839	1	128	477	468	173	1
S71331.H	15-AUG-87	18:44:56	4839	2	128	477	468	173	1
S71332.H	15-AUG-87	18:46:34	4839	3	128	477	468	173	1
S71333.H	15-AUG-87	18:53:55	4842	1	128	479	470	173	1
S71334.H	15-AUG-87	18:55:45	4842	2	128	479	470	173	1
S71335.H	15-AUG-87	18:57:16	4842	3	128	479	470	173	1
S71336.H	15-AUG-87	18:59:53	4842	1	128	461	470	173	1
S71337.H	15-AUG-87	19:01:28	4842	2	128	461	470	173	1
S71338.H	15-AUG-87	19:02:55	4842	3	128	461	470	173	1
S71339.H	15-AUG-87	19:04:40	4842	1	128	470	470	173	1
S71340.H	15-AUG-87	19:06:07	4842	2	128	470	470	173	1
S71341.H	15-AUG-87	19:07:33	4842	3	128	470	470	173	1
S71342.H	15-AUG-87	19:15:47	4841	1	256	470	470	173	1
S71343.H	15-AUG-87	19:17:54	4841	2	256	470	470	173	1
S71344.H	15-AUG-87	19:20:04	4841	3	256	470	470	173	1
S71345.H	15-AUG-87	19:22:44	4841	1	256	461	470	173	1
S71346.H	15-AUG-87	19:24:53	4841	2	256	461	470	173	1
S71347.H	15-AUG-87	19:31:33	4841	3	256	461	470	173	1
S71348.H	15-AUG-87	19:37:37	4841	1	256	479	470	173	1
S71349.H	15-AUG-87	19:39:42	4841	2	256	479	470	173	1
S71350.H	15-AUG-87	19:41:42	4841	3	256	479	470	174	1
S71351.H	16-AUG-87	15:13:07	4841	1	128	479	470	174	1
S71352.H	16-AUG-87	15:14:43	4841	2	128	479	470	174	1
S71353.H	16-AUG-87	15:15:59	4841	3	128	479	470	174	1
S71354.H	16-AUG-87	15:18:16	4841	1	128	461	470	174	1
S71355.H	16-AUG-87	15:19:38	4841	2	128	461	470	174	1
S71356.H	16-AUG-87	15:20:54	4841	3	128	461	470	174	1
S71357.H	16-AUG-87	15:22:56	4841	1	128	470	470	174	1
S71358.H	16-AUG-87	15:24:20	4841	2	128	470	470	174	1
S71359.H	16-AUG-87	15:25:46	4841	3	128	470	470	174	1
S71360.H	16-AUG-87	15:27:34	4841	1	128	479	470	174	1
S71361.H	16-AUG-87	15:28:52	4841	2	128	479	470	174	1
S71362.H	16-AUG-87	15:30:08	4841	3	128	479	470	174	1
S71363.H	16-AUG-87	15:31:56	4841	1	128	481	470	174	1
S71364.H	16-AUG-87	15:33:14	4841	2	128	481	470	174	1
S71365.H	16-AUG-87	15:34:29	4841	3	128	481	470	174	1
S71366.H	16-AUG-87	15:37:30	4841	1	128	485	470	174	1
S71367.H	16-AUG-87	15:38:44	4841	2	128	485	470	174	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S71368.H	16-AUG-87	15:39:58	4841	3	128	485	470	174	1
S71369.H	16-AUG-87	16:00:05	4839	1	128	476	467	174	1
S71370.H	16-AUG-87	16:01:19	4839	2	128	476	467	174	1
S71371.H	16-AUG-87	16:02:34	4839	3	128	476	467	174	1
S71372.H	16-AUG-87	16:04:33	4839	1	128	458	467	174	1
S71373.H	16-AUG-87	16:05:52	4839	2	128	458	467	174	1
S71374.H	16-AUG-87	16:07:38	4839	3	128	458	467	174	1
S71375.H	16-AUG-87	16:09:53	4839	1	128	467	467	174	1
S71376.H	16-AUG-87	16:11:26	4839	2	128	467	467	174	1
S71377.H	16-AUG-87	16:12:51	4839	3	128	467	467	174	1
S71378.H	16-AUG-87	16:14:54	4839	1	128	476	467	174	1
S71379.H	16-AUG-87	16:16:23	4839	2	128	476	467	174	1
S71380.H	16-AUG-87	16:17:58	4839	3	128	476	467	174	1
S71381.H	16-AUG-87	16:19:45	4839	1	128	479	467	174	1
S71382.H	16-AUG-87	16:21:18	4839	2	128	479	467	174	1
S71383.H	16-AUG-87	16:23:22	4839	3	128	479	467	174	1
S71384.H	16-AUG-87	16:28:56	0	3	128	460	467	174	1
S71385.H	16-AUG-87	16:30:05	0	3	128	467	467	174	1
S71386.H	16-AUG-87	16:31:10	0	3	128	470	467	174	1
S71387.H	16-AUG-87	16:32:45	0	3	128	476	467	174	1
S71388.H	16-AUG-87	16:33:51	0	3	128	480	467	174	1
S71389.H	16-AUG-87	16:35:29	0	3	128	485	467	174	1
S71390.H	16-AUG-87	16:37:51	0	3	128	476	467	174	1
S71391.H	16-AUG-87	16:46:32	4842	1	128	476	467	174	1
S71392.H	16-AUG-87	16:48:17	4842	2	128	476	467	174	1
S71393.H	16-AUG-87	16:50:22	4842	3	128	476	467	174	1
S71394.H	16-AUG-87	18:16:34	4842	1	128	479	470	174	1
S71395.H	16-AUG-87	18:17:23	4842	2	128	479	470	174	1
S71396.H	16-AUG-87	18:20:08	4842	1	85	479	470	174	1
S71397.H	16-AUG-87	18:20:57	4842	2	85	479	470	174	1
S71398.H	16-AUG-87	18:21:46	4842	3	85	479	470	174	1
S71399.H	16-AUG-87	18:22:52	4842	1	85	479	470	174	1
S71400.H	16-AUG-87	18:23:40	4842	2	85	479	470	175	1
S71401.H	16-AUG-87	18:24:29	4842	3	85	479	470	175	1
S71402.H	16-AUG-87	18:25:35	4842	1	85	479	470	175	1
S71403.H	16-AUG-87	18:26:23	4842	2	85	479	470	175	1
S71404.H	16-AUG-87	18:27:12	4842	3	85	479	470	175	1
S71406.H	18-AUG-87	18:19:27	4842	1	128	459	468	175	1
S71407.H	18-AUG-87	18:20:52	4842	2	128	459	468	175	1
S71408.H	18-AUG-87	18:22:23	4842	3	128	459	468	175	1
S71409.H	18-AUG-87	18:24:12	4842	1	128	468	468	175	1
S71410.H	18-AUG-87	18:25:43	4842	2	128	468	468	175	1
S71411.H	18-AUG-87	18:27:02	4842	3	128	468	468	175	1
S71412.H	18-AUG-87	18:29:54	4842	1	128	477	468	175	1
S71413.H	18-AUG-87	18:31:10	4842	2	128	477	468	175	1
S71414.H	18-AUG-87	18:32:26	4842	3	128	477	468	175	1
S71415.H	18-AUG-87	18:41:56	4842	1	128	477	468	175	1
S71416.H	18-AUG-87	18:43:23	4842	2	128	477	468	175	1
S71417.H	18-AUG-87	18:44:47	4842	3	128	477	468	175	1
S71418.H	18-AUG-87	18:48:25	4842	1	256	477	468	175	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71419.H	18-AUG-87	18:52:13	4842	1	256	459	468	175	1
S71420.H	18-AUG-87	19:04:26	4842	1	128	459	468	175	1
S71421.H	18-AUG-87	19:06:16	4842	2	128	459	468	175	1
S71422.H	18-AUG-87	19:07:37	4842	3	128	459	468	175	1
S71423.H	18-AUG-87	19:11:39	4842	1	128	477	468	175	1
S71424.H	18-AUG-87	19:13:26	4842	2	128	477	468	175	1
S71425.H	18-AUG-87	19:14:58	4842	3	128	477	468	175	1
S71426.H	18-AUG-87	19:16:50	4842	1	128	468	468	175	1
S71427.H	18-AUG-87	19:20:52	4842	2	128	468	468	175	1
S71428.H	18-AUG-87	19:22:09	4842	3	128	468	468	175	1
S71429.H	18-AUG-87	19:34:31	4839	1	128	458	467	175	1
S71430.H	18-AUG-87	19:35:48	4839	2	128	458	467	175	1
S71431.H	18-AUG-87	19:37:08	4839	3	128	458	467	175	1
S71432.H	18-AUG-87	19:38:50	4839	1	128	467	467	175	1
S71433.H	18-AUG-87	19:40:06	4839	2	128	467	467	175	1
S71434.H	18-AUG-87	19:41:22	4839	3	128	467	467	175	1
S71435.H	18-AUG-87	19:48:25	4839	1	128	476	467	175	1
S71436.H	18-AUG-87	19:49:41	4839	2	128	476	467	175	1
S71437.H	18-AUG-87	19:51:00	4839	3	128	476	467	175	
S71438.H	18-AUG-87	20:05:54	0	3	128	476	467	175	1
S71440.H	20-AUG-87	14:27:44	4842	3	128	476	467	175	1
S71441.H	20-AUG-87	14:29:57	4842	1	128	476	467	175	1
S71442.H	20-AUG-87	14:31:33	4842	2	128	476	467	175	1
S71443.H	20-AUG-87	14:33:13	4842	3	128	476	467	175	1
S71444.H	20-AUG-87	14:35:19	4842	1	128	458	467	175	1
S71445.H	20-AUG-87	14:36:55	4842	2	128	458	467	175	1
S71446.H	20-AUG-87	14:38:31	4842	3	128	458	467	175	1
S71447.H	20-AUG-87	14:40:34	4842	1	128	467	467	175	1
S71448.H	20-AUG-87	14:43:48	4842	2	128	467	467	175	1
S71449.H	20-AUG-87	14:45:31	4842	3	128	467	467	175	1
S71450.H	20-AUG-87	14:47:26	4842	1	128	458	467	175	1
S71451.H	20-AUG-87	14:49:07	4842	2	128	458	467	175	1
S71452.H	20-AUG-87	14:50:43	4842	3	128	458	467	176	1
S71453.H	20-AUG-87	14:53:04	4842	1	128	476	467	176	1
S71454.H	20-AUG-87	14:54:40	4842	2	128	476	467	176	1
S71455.H	20-AUG-87	14:56:19	4842	3	128	476	467	176	1
S71456.H	20-AUG-87	15:06:36	4839	1	128	457	466	176	1
S71457.H	20-AUG-87	15:08:19	4839	2	128	457	466	176	1
S71458.H	20-AUG-87	15:09:56	4839	3	128	457	466	176	1
S71459.H	20-AUG-87	15:11:56	4839	1	128	466	466	176	1
S71460.H	20-AUG-87	15:13:36	4839	2	128	466	466	176	1
S71461.H	20-AUG-87	15:15:16	4839	3	128	466	466	176	1
S71462.H	20-AUG-87	15:17:12	4839	1	128	475	466	176	1
S71463.H	20-AUG-87	15:18:50	4839	2	128	475	466	176	1
S71464.H	20-AUG-87	15:20:27	4839	3	128	475	466	176	1
S71465.H	20-AUG-87	15:23:56	0	3	128	475	466	176	1
S71466.H	20-AUG-87	15:25:42	0	3	128	457	466	176	1
S71467.H	20-AUG-87	15:27:08	0	3	128	466	466	176	1
S71468.H	20-AUG-87	15:29:41	0	3	128	466	466	176	1
S71469.H	20-AUG-87	15:35:50	4842	1	128	458	467	176	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71470.H	20-AUG-87	15:37:23	4842	2	128	458	467	176	1
S71471.H	20-AUG-87	15:39:26	4842	3	128	458	467	176	1
S71472.H	20-AUG-87	15:50:46	4842	1	128	458	467	176	1
S71473.H	20-AUG-87	15:52:04	4842	2	128	458	467	176	1
S71474.H	20-AUG-87	15:53:20	4842	3	128	458	467	176	1
S71475.H	20-AUG-87	15:55:20	4842	1	128	467	467	176	1
S71476.H	20-AUG-87	15:56:58	4842	2	128	467	467	176	1
S71477.H	20-AUG-87	15:58:19	4842	3	128	467	467	176	1
S71478.H	20-AUG-87	16:00:33	4842	1	128	476	467	176	1
S71479.H	20-AUG-87	16:01:50	4842	2	128	476	467	176	1
S71480.H	20-AUG-87	16:03:08	4842	3	128	476	467	176	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71498.H	30-OCT-87	18:38:48	0	3	256	767	758	177	1
S71499.H	30-OCT-87	18:41:55	0	1	256	749	758	177	1
S71500.H	30-OCT-87	18:44:06	0	2	256	749	758	178	1
S71501.H	30-OCT-87	18:46:16	0	3	256	749	758	178	1
S71502.H	30-OCT-87	18:49:01	0	1	256	758	758	178	1
S71503.H	30-OCT-87	18:51:16	0	2	256	758	758	178	1
S71504.H	30-OCT-87	18:53:28	0	3	256	758	758	178	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S71509.H	02-NOV-87	16:03:41	4875	2	256	747	756	178	1
S71510.H	02-NOV-87	16:06:02	4875	3	256	747	756	178	1
S71511.H	02-NOV-87	16:08:46	4875	1	256	756	756	178	1
S71512.H	02-NOV-87	16:10:57	4875	2	256	756	756	178	1
S71513.H	02-NOV-87	16:15:37	4875	3	256	756	756	178	1
S71514.H	02-NOV-87	16:18:48	4875	1	256	750	756	178	1
S71515.H	02-NOV-87	16:21:03	4875	2	256	750	756	178	1
S71516.H	02-NOV-87	16:23:18	4875	3	256	750	756	178	1
S71517.H	02-NOV-87	16:25:57	4875	1	256	762	756	178	1
S71518.H	02-NOV-87	16:28:10	4875	2	256	762	756	178	1
S71519.H	02-NOV-87	16:30:27	4875	3	256	762	756	178	1
S71520.H	02-NOV-87	16:35:51	0	3	256	747	756	178	1
S71521.H	02-NOV-87	16:38:11	0	3	256	750	756	178	1
S71522.H	02-NOV-87	16:40:11	0	3	256	756	756	178	1
S71523.H	02-NOV-87	16:42:20	0	3	256	762	756	178	1
S71524.H	02-NOV-87	16:44:24	0	3	256	765	756	178	1
S71525.H	02-NOV-87	16:46:47	0	3	256	765	756	178	1
S71526.H	02-NOV-87	17:07:50	4882	1	256	769	760	178	1
S71527.H	02-NOV-87	17:10:11	4882	2	256	769	760	178	1
S71528.H	02-NOV-87	17:12:30	4882	3	256	769	760	178	1
S71529.H	02-NOV-87	18:37:35	4882	1	256	769	760	178	1
S71530.H	02-NOV-87	18:39:56	4882	2	256	769	760	178	1
S71531.H	02-NOV-87	18:42:16	4882	3	256	769	760	178	1
S71532.H	02-NOV-87	18:45:17	4882	1	256	751	760	178	1
S71533.H	02-NOV-87	18:47:38	4882	2	256	751	760	178	1
S71534.H	02-NOV-87	18:49:59	4882	3	256	751	760	178	1
S71535.H	02-NOV-87	18:52:44	4882	1	256	760	760	178	1
S71536.H	02-NOV-87	18:55:04	4882	2	256	760	760	178	1
S71537.H	02-NOV-87	18:57:26	4882	3	256	760	760	178	1
S71538.H	02-NOV-87	19:10:55	4875	1	256	747	756	178	1
S71539.H	02-NOV-87	19:13:05	4875	2	256	747	756	178	1
S71540.H	02-NOV-87	19:15:19	4875	3	256	747	756	178	1
S71541.H	02-NOV-87	19:18:22	4875	1	256	756	756	178	1
S71542.H	02-NOV-87	19:20:39	4875	2	256	756	756	178	1
S71543.H	02-NOV-87	19:23:56	4875	3	256	756	756	178	1
S71544.H	02-NOV-87	19:26:33	4875	1	256	765	756	178	1
S71545.H	02-NOV-87	19:28:45	4875	2	256	765	756	178	1
S71546.H	02-NOV-87	19:31:15	4875	3	256	765	756	178	1
S71547.H	02-NOV-87	19:34:21	0	3	256	765	756	178	1
S71548.H	02-NOV-87	19:36:48	0	3	256	747	756	178	1
S71549.H	02-NOV-87	19:39:44	0	3	256	756	756	178	1
S71550.H	03-NOV-87	15:45:23	4882	1	256	751	760	179	1
S71551.H	03-NOV-87	15:47:37	4882	2	256	751	760	179	1
S71552.H	03-NOV-87	15:49:55	4882	3	256	751	760	179	1
S71553.H	03-NOV-87	15:52:32	4882	1	256	760	760	179	1
S71554.H	03-NOV-87	15:54:46	4882	2	256	760	760	179	1
S71555.H	03-NOV-87	15:57:02	4882	3	256	760	760	179	1
S71556.H	03-NOV-87	15:59:49	4882	1	256	769	760	179	1
S71557.H	03-NOV-87	16:02:02	4882	2	256	769	760	179	1
S71559.H	03-NOV-87	16:14:14	4882	1	256	769	760	179	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71560.H	03-NOV-87	16:16:27	4882	2	256	769	760	179	1
S71561.H	03-NOV-87	16:18:43	4882	3	256	769	760	179	1
S71562.H	03-NOV-87	16:33:23	4875	1	256	747	756	179	1
S71563.H	03-NOV-87	16:35:44	4875	2	256	747	756	179	1
S71564.H	03-NOV-87	16:37:57	4875	3	256	747	756	179	1
S71565.H	03-NOV-87	16:43:25	4875	1	256	756	756	179	1
S71566.H	03-NOV-87	16:49:01	4875	1	256	756	756	179	1
S71567.H	03-NOV-87	16:51:32	4875	2	256	756	756	179	1
S71568.H	03-NOV-87	16:55:07	4875	3	256	756	756	179	1
S71569.H	03-NOV-87	16:59:12	4875	1	256	765	756	179	1
S71570.H	03-NOV-87	17:01:27	4875	2	256	765	756	179	1
S71571.H	03-NOV-87	17:03:40	4875	3	256	765	756	179	1
S71572.H	03-NOV-87	17:08:57	0	3	256	765	756	179	1
S71573.H	03-NOV-87	17:10:58	0	3	256	756	756	179	1
S71574.H	03-NOV-87	17:13:03	0	3	256	747	756	179	1
S71575.H	03-NOV-87	17:14:52	0	3	256	747	756	179	1
S71576.H	05-NOV-87	16:28:54	4883	1	256	768	759	179	1
S71577.H	05-NOV-87	16:31:11	4883	2	256	768	759	179	1
S71578.H	05-NOV-87	16:33:30	4883	3	256	768	759	179	1
S71579.H	05-NOV-87	16:38:57	4883	1	256	750	759	179	1
S71580.H	05-NOV-87	16:41:26	4883	2	256	750	759	179	1
S71581.H	05-NOV-87	16:43:37	4883	3	256	750	759	179	1
S71582.H	05-NOV-87	16:45:49	4883	1	256	759	759	179	1
S71583.H	05-NOV-87	16:47:58	4883	2	256	759	759	179	1
S71584.H	05-NOV-87	16:50:10	4883	3	256	759	759	179	1
S71587.H	05-NOV-87	17:50:58	4883	1	256	768	759	179	1
S71588.H	05-NOV-87	17:55:29	4883	1	256	768	759	179	1
S71589.H	05-NOV-87	17:57:57	4883	2	256	768	759	179	1
S71590.H	05-NOV-87	18:00:27	4883	3	256	768	759	179	1
S71591.H	05-NOV-87	18:03:29	4883	1	256	750	759	179	1
S71592.H	05-NOV-87	18:05:21	4883	2	256	750	759	179	1
S71593.H	05-NOV-87	18:07:12	4883	3	256	750	759	179	1
S71594.H	05-NOV-87	18:14:06	4883	1	256	759	759	179	1
S71595.H	05-NOV-87	18:15:55	4883	2	256	759	759	179	1
S71596.H	05-NOV-87	18:18:12	4883	3	256	759	759	179	1
S71597.H	05-NOV-87	18:21:01	4883	1	256	759	759	179	1
S71598.H	05-NOV-87	18:36:39	4883	1	256	768	759	179	1
S71599.H	05-NOV-87	18:38:52	4883	2	256	768	759	179	1
S71600.H	05-NOV-87	18:41:04	4883	3	256	768	759	180	1
S71601.H	05-NOV-87	18:43:41	4883	1	256	750	759	180	1
S71602.H	05-NOV-87	18:45:52	4883	2	256	750	759	180	1
S71603.H	05-NOV-87	18:48:07	4883	3	256	750	759	180	1
S71604.H	06-NOV-87	16:26:32	4883	1	256	767	758	180	1
S71605.H	06-NOV-87	16:28:49	4883	2	256	767	758	180	1
S71606.H	06-NOV-87	16:35:09	4883	3	256	767	758	180	1
S71607.H	06-NOV-87	16:39:45	4883	1	256	749	758	180	1
S71608.H	06-NOV-87	16:48:01	4883	1	256	749	758	180	1
S71609.H	06-NOV-87	16:50:26	4883	2	256	749	758	180	1
S71610.H	06-NOV-87	16:52:46	4883	3	256	749	758	180	1
S71611.H	06-NOV-87	16:59:57	4883	1	256	758	758	180	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71612.H	06-NOV-87	17:02:25	4883	2	256	758	758	180	1
S71613.H	06-NOV-87	17:04:47	4883	3	256	758	758	180	1
S71614.H	06-NOV-87	17:08:30	4883	1	256	764	758	180	1
S71615.H	06-NOV-87	17:11:02	4883	2	256	764	758	180	1
S71616.H	06-NOV-87	17:13:31	4883	3	256	764	758	180	1
S71617.H	06-NOV-87	17:16:36	4883	1	256	770	758	180	1
S71618.H	06-NOV-87	17:26:53	4883	2	256	770	758	180	1
S71619.H	06-NOV-87	17:29:11	4883	3	256	770	758	180	1
S71620.H	06-NOV-87	17:35:21	4883	1	256	746	758	180	1
S71621.H	06-NOV-87	17:37:44	4883	2	256	746	758	180	1
S71622.H	06-NOV-87	17:40:17	4883	3	256	746	758	180	1
S71623.H	06-NOV-87	17:43:05	4883	1	256	746	758	180	1
S71624.H	06-NOV-87	17:45:16	4883	2	256	746	758	180	1
S71625.H	06-NOV-87	17:51:47	4883	3	256	746	758	180	1
S71626.H	06-NOV-87	17:54:36	4883	1	256	752	758	180	1
S71627.H	06-NOV-87	17:57:14	4883	2	256	752	758	180	1
S71628.H	06-NOV-87	17:59:47	4883	3	256	752	758	180	1
S71629.H	06-NOV-87	18:02:56	4883	1	256	752	758	180	1
S71630.H	06-NOV-87	18:05:00	4883	1	256	758	758	180	1
S71631.H	06-NOV-87	18:07:04	4883	1	256	764	758	180	1
S71632.H	06-NOV-87	18:09:07	4883	1	256	767	758	180	1
S71633.H	06-NOV-87	18:11:16	4883	1	256	770	758	180	1
S71634.H	06-NOV-87	18:14:04	4883	1	256	746	758	180	1
S71635.H	06-NOV-87	18:16:08	4883	1	256	749	758	180	1
S71636.H	06-NOV-87	18:18:51	4883	1	256	749	758	180	1
S71637.H	06-NOV-87	20:00:24	4883	1	256	767	758	180	1
S71638.H	06-NOV-87	20:02:36	4883	2	256	767	758	180	1
S71639.H	06-NOV-87	20:05:23	4883	3	256	767	758	180	1
S71640.H	06-NOV-87	20:08:20	4883	1	256	749	758	180	1
S71641.H	06-NOV-87	20:10:38	4883	2	256	749	758	180	1
S71642.H	06-NOV-87	20:12:51	4883	3	256	749	758	180	1
S71643.H	06-NOV-87	20:15:59	4883	1	256	758	758	180	1
S71644.H	06-NOV-87	20:18:12	4883	2	256	758	758	180	1
S71645.H	06-NOV-87	20:20:29	4883	3	256	758	758	180	1
S71646.H	07-NOV-87	20:13:20	4883	1	256	766	757	180	1
S71647.H	07-NOV-87	20:15:36	4883	2	256	766	757	180	1
S71648.H	07-NOV-87	20:17:58	4883	3	256	766	757	180	1
S71649.H	07-NOV-87	20:21:37	4883	1	256	748	757	180	1
S71650.H	07-NOV-87	20:23:55	4883	2	256	748	757	181	1
S71651.H	07-NOV-87	20:26:13	4883	3	256	748	757	181	1
S71652.H	07-NOV-87	20:29:11	4883	1	256	757	757	181	1
S71653.H	07-NOV-87	20:31:36	4883	2	256	757	757	181	1
S71654.H	07-NOV-87	20:34:02	4883	3	256	757	757	181	1
S71655.H	07-NOV-87	20:40:56	4883	1	256	766	757	181	1
S71656.H	07-NOV-87	20:43:21	4883	2	256	766	757	181	1
S71657.H	07-NOV-87	20:48:12	4883	3	256	766	757	181	1
S71658.H	08-NOV-87	18:46:10	4883	1	256	766	757	181	1
S71659.H	08-NOV-87	18:48:26	4883	2	256	766	757	181	1
S71660.H	08-NOV-87	18:50:44	4883	3	256	766	757	181	1
S71661.H	08-NOV-87	18:58:31	4883	1	256	748	757	181	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S71662.H	08-NOV-87	19:48:56	4883	1	256	748	757	181	1
S71663.H	08-NOV-87	00:02:12	4883	2	256	748	757	181	1
S71664.H	08-NOV-87	00:04:47	4883	3	256	748	757	181	1
S71665.H	08-NOV-87	00:07:34	4883	1	256	757	757	181	1
S71666.H	08-NOV-87	00:09:54	4883	2	256	757	757	181	1
S71667.H	11-NOV-87	20:31:40	4884	1	256	763	754	181	1
S71668.H	11-NOV-87	20:33:59	4884	2	256	763	754	181	1
S71669.H	11-NOV-87	20:36:15	4884	3	256	763	754	181	1
S71670.H	11-NOV-87	20:41:52	4884	1	256	763	754	181	1
S71671.H	11-NOV-87	20:44:07	4884	2	256	763	754	181	1
S71672.H	11-NOV-87	20:50:24	4884	3	256	763	754	181	1
S71673.H	11-NOV-87	20:56:18	4884	1	256	748	754	181	1
S71674.H	11-NOV-87	20:58:35	4884	2	256	748	754	181	1
S71675.H	11-NOV-87	21:01:07	4884	3	256	748	754	181	1
S71676.H	11-NOV-87	21:07:50	4884	1	256	754	754	181	1
S71677.H	11-NOV-87	21:10:17	4884	2	256	754	754	181	1
S71678.H	11-NOV-87	21:12:54	4884	3	256	754	754	181	1
S71679.H	11-NOV-87	21:16:15	4884	1	256	760	754	181	1
S71680.H	11-NOV-87	21:18:36	4884	2	256	760	754	181	1
S71681.H	11-NOV-87	21:21:08	4884	3	256	760	754	181	1
S71682.H	11-NOV-87	21:25:01	4884	3	256	760	754	181	1
S71683.H	12-NOV-87	16:32:23	4890	1	256	768	762	181	1
S71684.H	12-NOV-87	16:34:51	4890	2	256	768	762	181	1
S71685.H	12-NOV-87	16:37:16	4890	3	256	768	762	181	1
S71686.H	12-NOV-87	16:40:30	4890	1	256	756	762	181	1
S71687.H	12-NOV-87	16:43:13	4890	2	256	756	762	181	1
S71688.H	12-NOV-87	16:45:33	4890	3	256	756	762	181	1
S71689.H	12-NOV-87	18:31:08	4890	1	256	756	762	181	1
S71690.H	12-NOV-87	18:33:28	4890	2	256	756	762	181	1
S71691.H	12-NOV-87	18:35:43	4890	3	256	756	762	181	1
S71692.H	12-NOV-87	18:39:46	4890	1	256	762	762	181	1
S71693.H	12-NOV-87	18:42:07	4890	2	256	762	762	181	1
S71694.H	12-NOV-87	18:44:24	4890	3	256	762	762	181	1
S71695.H	12-NOV-87	19:09:06	4890	1	256	760	760	181	1
S71696.H	12-NOV-87	19:11:33	4890	2	256	760	760	181	1
S71697.H	12-NOV-87	19:14:03	4890	3	256	760	760	181	1
S71698.H	12-NOV-87	19:20:20	4890	1	256	766	760	181	1
S71699.H	12-NOV-87	19:22:59	4890	2	256	766	760	181	1
S71700.H	12-NOV-87	19:25:54	4890	3	256	766	760	182	1
S71701.H	12-NOV-87	19:34:55	4890	1	256	754	760	182	1
S71702.H	12-NOV-87	19:37:48	4890	2	256	754	760	182	1
S71703.H	12-NOV-87	19:40:17	4890	3	256	754	760	182	1
S71704.H	12-NOV-87	19:49:19	0	3	256	754	760	182	1
S71705.H	12-NOV-87	19:52:49	0	3	256	760	760	182	1
S71706.H	12-NOV-87	19:55:37	0	3	256	766	760	182	1
S71707.H	12-NOV-87	19:57:44	0	3	256	766	760	182	1
S71708.H	13-NOV-87	15:43:02	4890	1	256	770	761	182	1
S71709.H	13-NOV-87	15:46:25	4890	2	256	770	761	182	1
S71710.H	13-NOV-87	15:49:25	4890	3	256	770	761	182	1
S71712.H	13-NOV-87	16:42:32	4890	1	256	770	761	182	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71713.H	13-NOV-87	16:45:55	4890	1	256	770	761	182	1
S71714.H	13-NOV-87	16:48:08	4890	2	256	770	761	182	1
S71715.H	13-NOV-87	16:50:32	4890	3	256	770	761	182	1
S71716.H	13-NOV-87	16:55:59	4890	1	256	752	761	182	1
S71717.H	13-NOV-87	16:58:08	4890	2	256	752	761	182	1
S71718.H	13-NOV-87	17:00:20	4890	3	256	752	761	182	1
S71719.H	13-NOV-87	17:03:14	4890	1	256	761	761	182	1
S71720.H	13-NOV-87	17:05:25	4890	2	256	761	761	182	1
S71721.H	13-NOV-87	17:07:36	4890	3	256	761	761	182	1
S71722.H	13-NOV-87	17:12:10	4890	1	256	770	761	182	1
S71723.H	13-NOV-87	17:14:24	4890	2	256	770	761	182	1
S71724.H	13-NOV-87	17:16:59	4890	3	256	770	761	182	1
S71725.H	13-NOV-87	17:20:46	4890	1	256	752	761	182	1
S71726.H	13-NOV-87	17:22:58	4890	2	256	752	761	182	1
S71727.H	13-NOV-87	17:25:10	4890	3	256	752	761	182	1
S71728.H	13-NOV-87	17:27:52	4890	1	256	761	761	182	1
S71729.H	13-NOV-87	17:30:20	4890	2	256	761	761	182	1
S71730.H	13-NOV-87	17:32:31	4890	3	256	761	761	182	1
S71731.H	13-NOV-87	17:38:44	4890	3	256	761	761	182	1
S71732.H	13-NOV-87	17:41:11	4890	3	256	770	761	182	1
S71733.H	13-NOV-87	17:44:26	4890	3	256	752	761	182	1
S71734.H	13-NOV-87	17:46:34	4890	3	256	752	761	182	1
S71735.H	14-NOV-87	13:50:55	4890	1	256	768	759	182	0
S71736.H	14-NOV-87	13:50:55	4890	2	256	728	759	182	0
S71737.H	14-NOV-87	13:50:55	4890	3	256	768	759	182	0
S71738.H	14-NOV-87	13:50:55	4890	1	256	750	759	182	0
S71739.H	14-NOV-87	13:50:55	4890	2	256	750	759	182	0
S71740.H	14-NOV-87	13:50:55	4890	3	256	750	759	182	0
S71741.H	14-NOV-87	13:50:55	4890	1	256	759	759	182	0
S71742.H	14-NOV-87	13:50:55	4890	2	256	759	759	182	0
S71743.H	14-NOV-87	13:50:55	4890	3	256	759	759	182	0
S71744.H	14-NOV-87	13:50:55	4890	1	256	768	759	182	0
S71745.H	14-NOV-87	13:50:55	4890	2	256	768	759	182	0
S71746.H	14-NOV-87	13:50:55	4890	3	256	768	759	182	0
S71747.H	14-NOV-87	13:50:55	4890	1	256	771	759	182	0
S71748.H	14-NOV-87	13:50:55	4890	2	256	771	759	182	0
S71749.H	14-NOV-87	13:50:55	4890	3	256	771	759	182	0
S71750.H	14-NOV-87	13:53:06	4890	1	256	768	759	183	0
S71751.H	14-NOV-87	13:53:18	4890	2	256	768	759	183	0
S71752.H	14-NOV-87	13:53:33	4890	3	256	768	759	183	0
S71753.H	14-NOV-87	13:53:53	4890	1	256	750	759	183	0
S71754.H	14-NOV-87	13:54:04	4890	2	256	750	759	183	0
S71755.H	14-NOV-87	13:54:18	4890	3	256	750	759	183	0
S71756.H	14-NOV-87	13:54:36	4890	1	256	759	759	183	0
S71757.H	14-NOV-87	13:54:49	4890	2	256	759	759	183	0
S71758.H	14-NOV-87	13:55:03	4890	3	256	759	759	183	0
S71759.H	14-NOV-87	13:55:20	4890	1	256	768	759	183	0
S71760.H	14-NOV-87	13:55:33	4890	2	256	768	759	183	0
S71761.H	14-NOV-87	13:55:47	4890	3	256	768	759	183	0
S71762.H	14-NOV-87	13:56:22	4890	3	256	750	759	183	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71763.H	14-NOV-87	13:57:01	4890	3	256	759	759	183	0
S71764.H	14-NOV-87	13:57:46	4890	3	256	768	759	183	0
S71765.H	14-NOV-87	13:58:38	4890	1	256	768	759	183	0
S71766.H	14-NOV-87	13:59:27	4890	1	256	768	759	183	0
S71767.H	14-NOV-87	13:59:41	4890	2	256	768	759	183	0
S71768.H	14-NOV-87	13:59:55	4890	3	256	768	759	183	0
S71769.H	14-NOV-87	14:00:18	4890	1	256	750	759	183	0
S71770.H	14-NOV-87	14:00:32	4890	2	256	750	759	183	0
S71771.H	14-NOV-87	14:00:45	4890	3	256	750	759	183	0
S71772.H	14-NOV-87	14:01:04	4890	2	256	759	759	183	0
S71773.H	14-NOV-87	14:01:18	4890	3	256	759	759	183	0
S71774.H	14-NOV-87	14:01:51	4890	1	128	768	759	183	0
S71775.H	14-NOV-87	14:02:01	4890	2	128	768	759	183	0
S71776.H	14-NOV-87	14:02:12	4890	3	128	768	759	183	0
S71777.H	15-NOV-87	10:03:06	4890	1	256	768	759	183	0
S71778.H	15-NOV-87	10:03:20	4890	2	256	768	759	183	0
S71779.H	15-NOV-87	10:03:33	4890	3	256	768	759	183	0
S71780.H	15-NOV-87	10:03:55	4890	1	256	750	759	183	0
S71781.H	15-NOV-87	10:04:08	4890	2	256	750	759	183	0
S71782.H	15-NOV-87	10:04:21	4890	3	256	750	759	183	0
S71783.H	15-NOV-87	10:04:37	4890	1	256	759	759	183	0
S71784.H	15-NOV-87	10:04:50	4890	2	256	759	759	183	0
S71785.H	15-NOV-87	10:05:04	4890	3	256	759	759	183	0
S71786.H	15-NOV-87	10:05:27	0	3	256	759	759	183	0
S71787.H	15-NOV-87	10:05:40	0	3	256	768	759	183	0
S71788.H	15-NOV-87	10:05:54	0	3	256	750	759	183	0
S71789.H	17-NOV-87	20:54:16	4890	1	256	726	757	183	0
S71790.H	17-NOV-87	20:56:22	4890	2	256	766	757	183	0
S71791.H	17-NOV-87	20:58:32	4890	3	256	766	757	183	0
S71792.H	17-NOV-87	21:01:16	4890	1	256	748	757	183	0
S71793.H	17-NOV-87	21:03:21	4890	2	256	748	757	183	0
S71794.H	17-NOV-87	21:05:28	4890	3	256	748	757	183	0
S71795.H	17-NOV-87	21:07:56	4890	1	256	757	757	183	0
S71796.H	17-NOV-87	21:10:02	4890	2	256	757	757	183	0
S71797.H	17-NOV-87	21:12:09	4890	3	256	757	757	183	0
S71798.H	17-NOV-87	21:14:47	4890	1	256	759	757	183	0
S71799.H	17-NOV-87	21:16:54	4890	2	256	759	757	183	0
S71800.H	17-NOV-87	21:19:02	4890	3	256	759	757	184	0
S71801.H	17-NOV-87	21:21:43	4890	1	256	745	757	184	0
S71802.H	17-NOV-87	21:23:49	4890	2	256	745	757	184	0
S71803.H	17-NOV-87	21:25:59	4890	3	256	745	757	184	0
S71804.H	17-NOV-87	21:31:50	0	3	256	745	757	184	0
S71805.H	17-NOV-87	21:33:50	0	3	256	748	757	184	0
S71806.H	17-NOV-87	21:36:02	0	3	256	757	757	184	0
S71807.H	17-NOV-87	21:38:10	0	3	256	766	757	184	0
S71808.H	17-NOV-87	21:40:57	0	3	256	769	757	184	0
S71809.H	17-NOV-87	21:42:45	0	3	256	769	757	184	0
S71810.H	18-NOV-87	14:36:30	4890	1	256	762	757	184	0
S71811.H	18-NOV-87	14:38:41	4890	2	256	762	757	184	0
S71812.H	18-NOV-87	14:40:52	4890	3	256	762	757	184	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71813.H	18-NOV-87	14:47:41	4890	1	256	766	757	184	0
S71814.H	18-NOV-87	14:49:49	4890	2	256	766	757	184	0
S71815.H	18-NOV-87	14:52:01	4890	3	256	766	757	184	0
S71816.H	18-NOV-87	14:55:08	4890	1	256	748	757	184	0
S71817.H	18-NOV-87	14:57:17	4890	2	256	748	757	184	0
S71818.H	18-NOV-87	14:59:25	4890	3	256	748	757	184	0
S71819.H	18-NOV-87	15:14:16	4890	1	256	757	757	184	0
S71820.H	18-NOV-87	15:26:07	4890	1	256	757	757	184	0
S71821.H	18-NOV-87	15:28:21	4890	2	256	757	757	184	0
S71822.H	18-NOV-87	15:30:49	4890	3	256	757	757	184	0
S71823.H	18-NOV-87	16:04:01	4891	1	256	769	760	184	0
S71824.H	18-NOV-87	16:06:13	4891	2	256	769	760	184	0
S71825.H	18-NOV-87	16:08:25	4891	3	256	769	760	184	0
S71826.H	19-NOV-87	20:15:30	4890	1	256	764	755	184	0
S71827.H	19-NOV-87	20:17:46	4890	2	256	764	755	184	0
S71828.H	19-NOV-87	20:24:56	4890	3	256	764	755	184	0
S71829.H	19-NOV-87	20:42:36	4890	1	256	746	755	184	0
S71830.H	19-NOV-87	20:44:44	4890	2	256	746	755	184	0
S71831.H	19-NOV-87	20:46:51	4890	3	256	746	755	184	0
S71832.H	19-NOV-87	20:50:32	4890	1	256	755	755	184	0
S71833.H	19-NOV-87	21:49:55	4891	1	256	756	757	184	0
S71834.H	19-NOV-87	21:53:13	4891	1	256	766	757	184	0
S71835.H	20-NOV-87	14:39:47	4891	1	256	769	760	184	0
S71836.H	20-NOV-87	14:42:11	4891	2	256	769	760	184	0
S71837.H	20-NOV-87	14:44:20	4891	3	256	769	760	184	0
S71838.H	20-NOV-87	14:47:08	4891	1	256	753	760	184	0
S71839.H	20-NOV-87	14:49:30	4891	2	256	753	760	184	0
S71840.H	20-NOV-87	14:54:51	4891	3	256	753	760	184	0
S71841.H	20-NOV-87	15:01:09	4891	1	256	758	760	184	0
S71842.H	20-NOV-87	15:03:23	4891	2	256	758	760	184	0
S71843.H	20-NOV-87	15:05:44	4891	3	256	758	760	184	0
S71844.H	20-NOV-87	15:12:19	4891	1	256	769	760	184	0
S71845.H	20-NOV-87	15:14:28	4891	2	256	769	760	184	0
S71846.H	20-NOV-87	15:16:45	4891	3	256	769	760	184	0
S71847.H	20-NOV-87	15:38:43	4890	1	256	766	757	184	0
S71848.H	20-NOV-87	15:40:59	4890	2	256	766	757	184	0
S71849.H	20-NOV-87	15:43:23	4890	3	256	766	757	184	0
S71850.H	20-NOV-87	15:48:31	4890	1	256	748	757	185	0
S71851.H	20-NOV-87	15:51:10	4890	2	256	748	757	185	0
S71852.H	20-NOV-87	15:53:52	4890	3	256	748	757	185	0
S71853.H	20-NOV-87	16:04:05	4890	3	256	748	757	185	0
S71854.H	20-NOV-87	16:10:43	4890	3	256	766	757	185	0
S71855.H	20-NOV-87	16:19:45	4890	3	256	766	757	185	0
S71856.H	20-NOV-87	19:20:57	4891	1	256	769	760	185	0
S71857.H	20-NOV-87	19:23:05	4891	2	256	769	760	185	0
S71858.H	20-NOV-87	19:25:12	4891	3	256	769	760	185	0
S71859.H	20-NOV-87	19:28:18	4891	1	256	751	760	185	0
S71860.H	20-NOV-87	19:30:27	4891	2	256	751	760	185	0
S71861.H	20-NOV-87	19:32:34	4891	3	256	751	760	185	0
S71862.H	20-NOV-87	19:35:22	4891	1	256	760	760	185	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71863.H	20-NOV-87	19:37:10	4891	2	256	760	760	185	0
S71864.H	20-NOV-87	19:39:01	4891	3	256	760	760	185	0
S71865.H	20-NOV-87	19:46:26	4890	1	256	766	757	185	0
S71866.H	20-NOV-87	19:48:38	4890	2	256	766	757	185	0
S71867.H	20-NOV-87	19:50:45	4890	3	256	766	757	185	0
S71868.H	20-NOV-87	19:53:41	4890	1	256	748	757	185	0
S71869.H	20-NOV-87	19:55:49	4890	2	256	748	757	185	0
S71870.H	20-NOV-87	19:57:57	4890	3	256	748	757	185	0
S71871.H	20-NOV-87	20:00:51	4890	1	256	757	757	185	0
S71872.H	20-NOV-87	20:02:41	4890	2	256	757	757	185	0
S71873.H	20-NOV-87	20:04:32	4890	3	256	757	757	185	0
S71874.H	20-NOV-87	20:08:51	0	3	256	748	757	185	0
S71875.H	20-NOV-87	20:11:07	0	3	256	757	757	185	0
S71876.H	20-NOV-87	20:13:46	0	3	256	766	757	185	0
S71877.H	20-NOV-87	20:15:41	0	3	256	766	757	185	0
S71878.H	21-NOV-87	15:17:43	4891	1	256	728	759	185	0
S71879.H	21-NOV-87	15:19:54	4891	2	256	728	759	185	0
S71880.H	21-NOV-87	15:22:02	4891	3	256	728	759	185	0
S71881.H	21-NOV-87	15:26:45	4891	1	256	750	759	185	0
S71882.H	21-NOV-87	15:28:57	4891	2	256	750	759	185	0
S71883.H	21-NOV-87	15:31:18	4891	3	256	750	759	185	0
S71884.H	21-NOV-87	15:35:23	4891	1	256	759	759	185	0
S71885.H	21-NOV-87	15:37:46	4891	2	256	759	759	185	0
S71886.H	21-NOV-87	15:40:21	4891	3	256	759	759	185	0
S71887.H	21-NOV-87	17:04:05	4891	1	64	768	759	185	0
S71888.H	21-NOV-87	17:14:15	4891	1	256	768	759	185	0
S71889.H	21-NOV-87	17:16:27	4891	2	256	768	759	185	0
S71890.H	21-NOV-87	17:19:08	4891	3	256	768	759	185	0
S71891.H	21-NOV-87	17:23:09	4891	1	256	750	759	185	0
S71892.H	21-NOV-87	17:31:58	4891	1	256	750	759	185	0
S71893.H	21-NOV-87	17:34:05	4891	2	256	750	759	185	0
S71894.H	21-NOV-87	17:36:13	4891	3	256	750	759	185	0
S71895.H	21-NOV-87	17:52:42	4891	1	256	768	759	185	0
S71896.H	21-NOV-87	17:55:10	4891	2	256	768	759	185	0
S71897.H	21-NOV-87	17:57:17	4891	3	256	768	759	185	0
S71898.H	21-NOV-87	18:03:30	4891	1	256	750	759	185	0
S71899.H	21-NOV-87	18:06:00	4891	2	256	750	759	185	0
S71900.H	21-NOV-87	18:08:53	4891	3	256	750	759	186	0
S71901.H	21-NOV-87	18:11:58	4891	1	256	759	759	186	0
S71902.H	21-NOV-87	18:14:13	4891	2	256	759	759	186	0
S71903.H	21-NOV-87	18:16:31	4891	3	256	759	759	186	0
S71904.H	21-NOV-87	18:24:09	0	3	256	750	759	186	0
S71905.H	21-NOV-87	18:26:30	0	3	256	759	759	186	0
S71906.H	21-NOV-87	18:28:51	0	3	256	768	759	186	0
S71907.H	22-NOV-87	15:01:07	4891	1	256	767	758	186	0
S71908.H	22-NOV-87	15:03:23	4891	2	256	767	758	186	0
S71909.H	22-NOV-87	15:05:32	4891	3	256	767	758	186	0
S71910.H	22-NOV-87	15:08:41	4891	1	256	749	758	186	0
S71911.H	22-NOV-87	15:10:48	4891	2	256	749	758	186	0
S71912.H	22-NOV-87	15:12:55	4891	3	256	749	758	186	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71913.H	22-NOV-87	15:15:36	4891	1	256	758	758	186	0
S71914.H	22-NOV-87	15:17:42	4891	2	256	758	758	186	0
S71915.H	22-NOV-87	15:19:52	4891	3	256	758	758	186	0
S71916.H	23-NOV-87	15:16:39	4891	1	256	766	757	186	0
S71917.H	23-NOV-87	15:18:55	4891	2	256	766	757	186	0
S71918.H	23-NOV-87	15:21:06	4891	3	256	766	757	186	0
S71919.H	23-NOV-87	15:23:56	4891	1	256	748	757	186	0
S71920.H	23-NOV-87	15:26:16	4891	2	256	748	757	186	0
S71921.H	23-NOV-87	15:28:31	4891	3	256	748	757	186	0
S71922.H	23-NOV-87	19:53:18	4891	1	256	766	757	186	0
S71923.H	23-NOV-87	19:55:36	4891	2	256	766	757	186	0
S71924.H	23-NOV-87	19:57:53	4891	3	256	766	757	186	0
S71925.H	23-NOV-87	20:00:56	4891	1	256	748	757	186	0
S71926.H	23-NOV-87	20:03:11	4891	2	256	748	757	186	0
S71927.H	23-NOV-87	20:05:27	4891	3	256	748	757	186	0
S71928.H	23-NOV-87	20:10:45	4891	1	256	757	757	186	0
S71929.H	23-NOV-87	20:13:25	4891	2	256	757	757	186	0
S71930.H	23-NOV-87	20:15:44	4891	3	256	757	757	186	0
S71931.H	23-NOV-87	20:24:32	4891	1	256	755	755	186	0
S71932.H	23-NOV-87	20:26:47	4891	2	256	755	755	186	0
S71933.H	23-NOV-87	20:29:00	4891	3	256	755	755	186	0
S71934.H	23-NOV-87	20:31:52	4891	1	256	764	755	186	0
S71935.H	23-NOV-87	20:34:07	4891	2	256	764	755	186	0
S71936.H	23-NOV-87	20:36:22	4891	3	256	760	755	186	0
S71937.H	23-NOV-87	20:39:25	4891	1	256	746	755	186	0
S71938.H	23-NOV-87	20:41:40	4891	2	256	746	755	186	0
S71939.H	23-NOV-87	20:45:32	4891	3	256	746	755	186	0
S71940.H	23-NOV-87	20:59:53	4892	1	256	764	755	186	0
S71941.H	23-NOV-87	21:02:13	4892	2	256	764	755	186	0
S71942.H	24-NOV-87	15:43:05	4891	1	256	764	755	186	0
S71943.H	24-NOV-87	15:45:24	4891	2	256	764	755	186	0
S71945.H	24-NOV-87	16:14:29	4891	3	256	764	755	186	0
S71946.H	24-NOV-87	16:18:09	4891	1	256	764	755	186	0
S71947.H	24-NOV-87	16:20:15	4891	2	256	764	755	186	0
S71948.H	24-NOV-87	16:22:24	4891	3	256	764	755	186	0
S71949.H	24-NOV-87	16:25:11	4891	1	256	746	755	186	0
S71950.H	24-NOV-87	16:27:19	4891	2	256	746	755	186	0
S71951.H	24-NOV-87	16:39:17	4891	3	256	746	755	186	0
S71952.H	24-NOV-87	16:41:58	4891	1	256	755	755	186	0
S71953.H	24-NOV-87	16:44:05	4891	2	256	755	755	186	0
S71954.H	24-NOV-87	16:46:12	4891	3	256	755	755	186	0
S71955.H	25-NOV-87	15:11:37	4891	1	64	764	755	187	0
S71956.H	25-NOV-87	15:13:48	4891	1	1	764	755	187	0
S71957.H	25-NOV-87	15:15:28	4891	1	1	764	755	187	0
S71958.H	25-NOV-87	15:22:28	4891	1	64	764	755	187	0
S71959.H	25-NOV-87	15:24:34	4891	2	64	764	755	187	0
S71960.H	25-NOV-87	15:25:49	4891	3	64	764	755	187	0
S71961.H	25-NOV-87	15:27:40	4891	1	64	746	755	187	0
S71962.H	25-NOV-87	15:30:11	4891	2	64	746	755	187	0
S71963.H	25-NOV-87	15:31:54	4891	3	64	746	755	187	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71964.H	25-NOV-87	15:34:26	4891	1	64	755	755	187	0
S71965.H	25-NOV-87	15:40:27	4891	1	64	755	755	187	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S71966.H	02-DEC-87	15:17:04	4898	1	256	764	755	187	0
S71967.H	02-DEC-87	15:19:20	4898	2	256	764	755	187	0
S71968.H	02-DEC-87	15:21:31	4898	3	256	764	755	187	0
S71969.H	02-DEC-87	15:25:49	4898	1	256	746	755	187	0
S71970.H	02-DEC-87	15:28:07	4898	2	256	746	755	187	0
S71971.H	02-DEC-87	15:30:24	4898	3	256	746	755	187	0
S71972.H	02-DEC-87	15:33:01	4898	1	256	755	755	187	0
S71973.H	02-DEC-87	15:35:15	4898	2	256	755	755	187	0
S71974.H	02-DEC-87	15:37:29	4898	3	256	755	755	187	0
S71975.H	02-DEC-87	15:42:30	4898	3	256	755	755	187	0
S71976.H	02-DEC-87	15:44:54	0	3	256	764	755	187	0
S71977.H	02-DEC-87	15:47:08	0	3	256	746	755	187	0
S71978.H	02-DEC-87	15:49:56	0	3	256	746	755	187	0
S71979.H	02-DEC-87	16:25:23	4900	1	256	767	758	187	0
S71980.H	02-DEC-87	16:28:24	4900	2	256	767	758	187	0
S71981.H	02-DEC-87	16:30:43	4900	3	256	767	758	187	0
S71982.H	02-DEC-87	16:36:07	4899	1	256	749	758	187	0
S71983.H	02-DEC-87	16:38:17	4899	2	256	749	758	187	0
S71984.H	02-DEC-87	16:40:38	4899	3	256	749	758	187	0
S71985.H	02-DEC-87	16:44:13	4899	1	256	758	758	187	0
S71986.H	02-DEC-87	16:57:03	4901	1	256	767	758	187	0
S71987.H	02-DEC-87	16:59:16	4901	2	256	767	758	187	0
S71988.H	02-DEC-87	17:01:28	4901	3	256	767	758	187	0
S71990.H	02-DEC-87	17:11:52	4901	1	256	749	758	187	0
S71991.H	02-DEC-87	17:14:02	4901	2	256	749	758	187	0
S71992.H	02-DEC-87	17:15:54	4901	3	256	749	758	187	0
S71993.H	04-DEC-87	20:12:25	4899	1	256	764	755	187	0
S71995.H	04-DEC-87	20:27:00	4899	1	256	764	755	187	0
S71996.H	04-DEC-87	20:29:08	4899	2	256	764	755	187	0
S71997.H	04-DEC-87	20:31:15	4899	3	256	764	755	187	0
S71998.H	04-DEC-87	20:36:12	4899	1	256	746	755	187	0
S71999.H	04-DEC-87	20:38:27	4899	2	256	746	755	187	0
S72000.H	04-DEC-87	20:42:14	4899	3	256	746	755	188	0
S72001.H	04-DEC-87	20:44:56	4899	1	256	755	755	188	0
S72002.H	04-DEC-87	20:48:06	0	3	256	755	755	188	0
S72003.H	04-DEC-87	20:50:13	0	3	256	764	755	188	0
S72004.H	04-DEC-87	20:52:50	0	3	256	746	755	188	0
S72005.H	04-DEC-87	21:02:21	4899	1	256	746	755	188	0
S72006.H	04-DEC-87	21:04:15	4899	2	256	746	755	188	0
S72007.H	04-DEC-87	21:06:07	4899	3	256	746	755	188	0
S72008.H	04-DEC-87	21:09:05	4899	1	256	764	755	188	0
S72009.H	04-DEC-87	21:10:56	4899	2	256	764	755	188	0
S72010.H	04-DEC-87	21:12:46	4899	3	256	764	755	188	0
S72011.H	04-DEC-87	21:15:27	4899	1	256	755	755	188	0
S72012.H	04-DEC-87	21:17:16	4899	2	256	755	755	188	0
S72013.H	04-DEC-87	21:19:05	4899	3	256	755	755	188	0
S72014.H	05-DEC-87	18:37:30	4899	1	256	761	755	188	0
S72015.H	05-DEC-87	18:39:47	4899	2	256	761	755	188	0
S72016.H	05-DEC-87	18:44:59	4899	3	256	761	755	188	0
S72017.H	05-DEC-87	18:51:59	4899	1	256	764	755	188	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S72018.H	05-DEC-87	18:54:20	4899	2	256	764	755	188	0
S72019.H	05-DEC-87	18:56:31	4899	3	256	764	755	188	0
S72020.H	05-DEC-87	18:59:53	4899	1	256	746	755	188	0
S72021.H	05-DEC-87	19:02:05	4899	2	256	746	755	188	0
S72022.H	05-DEC-87	19:04:22	4899	3	256	746	755	188	0
S72023.H	05-DEC-87	19:07:05	4899	1	256	755	755	188	0
S72024.H	05-DEC-87	19:09:17	4899	2	256	755	755	188	0
S72025.H	05-DEC-87	19:11:31	4899	3	256	755	755	188	0
S72026.H	05-DEC-87	19:27:28	4901	1	256	762	757	188	0
S72027.H	05-DEC-87	19:29:39	4901	2	256	762	757	188	0
S72028.H	05-DEC-87	19:31:51	4901	3	256	766	757	188	0
S72029.H	05-DEC-87	19:35:43	4901	1	256	748	757	188	0
S72030.H	05-DEC-87	19:38:03	4901	2	256	748	757	188	0
S72031.H	05-DEC-87	19:40:16	4901	3	256	748	757	188	0
S72032.H	05-DEC-87	19:43:07	4901	1	256	757	757	188	0
S72033.H	05-DEC-87	19:45:19	4901	2	256	757	757	188	0
S72034.H	05-DEC-87	19:47:30	4901	3	256	757	757	188	0
S72035.H	05-DEC-87	20:01:59	0	3	256	747	755	188	0
S72036.H	05-DEC-87	20:04:20	0	3	256	756	755	188	0
S72037.H	05-DEC-87	20:06:45	0	3	256	765	755	188	0
S72038.H	05-DEC-87	20:20:31	0	1	256	764	755	188	0
S72039.H	10-DEC-87	14:32:19	4901	1	256	764	755	188	0
S72040.H	10-DEC-87	14:35:15	4901	2	256	764	755	188	0
S72041.H	10-DEC-87	14:37:51	4901	3	256	764	755	188	0
S72042.H	10-DEC-87	14:40:57	4901	1	256	746	755	188	0
S72043.H	10-DEC-87	14:43:26	4901	2	256	746	755	188	0
S72044.H	10-DEC-87	14:48:38	4901	3	256	746	755	188	0
S72045.H	10-DEC-87	14:52:03	4901	1	256	755	755	188	0
S72046.H	10-DEC-87	14:55:06	4901	2	256	751	755	188	0
S72047.H	10-DEC-87	14:57:49	4901	3	256	751	755	188	0
S72048.H	10-DEC-87	15:01:17	4901	1	256	761	755	188	0
S72049.H	10-DEC-87	15:04:04	4901	2	256	761	755	188	0
S72050.H	10-DEC-87	15:06:49	4901	3	256	761	755	189	0
S72051.H	10-DEC-87	15:13:30	4901	1	256	767	755	189	0
S72052.H	10-DEC-87	15:16:12	4901	2	256	767	755	189	0
S72053.H	10-DEC-87	15:18:50	4901	3	256	767	755	189	0
S72054.H	10-DEC-87	15:23:26	4901	1	256	749	755	189	0
S72055.H	10-DEC-87	15:25:56	4901	2	256	749	755	189	0
S72056.H	10-DEC-87	15:28:41	4901	3	256	749	755	189	0
S72057.H	10-DEC-87	19:47:54	4901	1	256	746	755	189	0
S72058.H	10-DEC-87	19:50:15	4901	2	256	746	755	189	0
S72059.H	10-DEC-87	19:52:40	4901	3	256	746	755	189	0
S72060.H	10-DEC-87	19:55:51	4901	1	256	764	755	189	0
S72061.H	10-DEC-87	19:58:07	4901	2	256	764	755	189	0
S72062.H	10-DEC-87	20:00:32	4901	3	256	764	755	189	0
S72063.H	10-DEC-87	20:04:44	4901	1	256	764	755	189	0
S72064.H	10-DEC-87	20:07:01	4901	2	256	764	755	189	0
S72065.H	10-DEC-87	20:09:15	4901	3	256	764	755	189	0
S72066.H	10-DEC-87	20:12:06	4901	1	256	746	755	189	0
S72067.H	10-DEC-87	20:14:24	4901	2	256	746	755	189	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S72068.H	10-DEC-87	20:16:42	4901	3	256	746	755	189	0
S72069.H	10-DEC-87	20:19:23	4901	1	256	755	755	189	0
S72070.H	10-DEC-87	20:21:39	4901	2	256	755	755	189	0
S72071.H	10-DEC-87	20:24:05	4901	3	256	751	755	189	0
S72072.H	10-DEC-87	20:27:21	0	3	256	764	755	189	0
S72073.H	10-DEC-87	20:29:47	0	3	256	746	755	189	0
S72074.H	11-DEC-87	14:40:37	4901	1	256	763	754	189	0
S72075.H	11-DEC-87	14:43:06	4901	2	256	763	754	189	0
S72076.H	11-DEC-87	14:45:36	4901	3	256	763	754	189	0
S72077.H	11-DEC-87	14:48:48	4901	1	256	745	754	189	0
S72078.H	11-DEC-87	14:51:17	4901	2	256	745	754	189	0
S72079.H	11-DEC-87	14:53:47	4901	3	256	745	754	189	0
S72080.H	11-DEC-87	14:56:38	4901	1	256	754	754	189	0
S72081.H	11-DEC-87	14:59:17	4901	2	256	754	754	189	0
S72082.H	11-DEC-87	15:01:49	4901	3	256	754	754	189	0
S72083.H	11-DEC-87	15:06:21	4901	3	256	754	754	189	0
S72084.H	11-DEC-87	15:08:44	0	3	256	745	754	189	0
S72085.H	11-DEC-87	15:28:54	0	3	256	763	754	189	0
S72086.H	11-DEC-87	15:31:22	0	3	256	745	754	189	0
S72087.H	11-DEC-87	15:33:28	0	3	256	745	754	189	0
S72088.H	11-DEC-87	15:40:05	4901	1	256	763	754	189	0
S72089.H	11-DEC-87	15:42:34	4901	2	256	763	754	189	0
S72090.H	11-DEC-87	15:45:06	4901	3	256	763	754	189	0
S72091.H	11-DEC-87	15:48:06	4901	1	256	745	754	189	0
S72092.H	11-DEC-87	15:50:30	4901	2	256	745	754	189	0
S72093.H	11-DEC-87	15:52:54	4901	3	256	745	754	189	0
S72094.H	11-DEC-87	15:55:48	4901	1	256	754	754	189	0
S72095.H	11-DEC-87	15:58:10	4901	2	256	754	754	189	0
S72096.H	11-DEC-87	16:00:35	4901	3	256	754	754	189	0
S72097.H	11-DEC-87	16:57:41	4901	1	256	763	754	189	0
S72098.H	11-DEC-87	17:00:10	4901	2	256	763	754	189	0
S72099.H	11-DEC-87	17:02:38	4901	3	256	763	754	189	0
S72100.H	11-DEC-87	17:08:31	4901	1	256	763	754	190	0
S72101.H	11-DEC-87	17:11:05	4901	2	256	763	754	190	0
S72102.H	11-DEC-87	17:13:40	4901	3	256	763	754	190	0
S72103.H	12-DEC-87	15:57:16	4901	1	256	763	754	190	0
S72104.H	12-DEC-87	16:02:45	4901	2	256	763	754	190	0
S72105.H	12-DEC-87	16:05:08	4901	3	256	763	754	190	0
S72106.H	12-DEC-87	16:12:02	4901	1	256	745	754	190	0
S72107.H	12-DEC-87	16:16:39	4901	2	256	745	754	190	0
S72108.H	12-DEC-87	16:18:57	4901	3	256	745	754	190	0
S72109.H	12-DEC-87	16:21:34	4901	1	256	754	754	190	0
S72110.H	12-DEC-87	16:24:09	4901	2	256	754	754	190	0
S72111.H	12-DEC-87	16:26:30	4901	3	256	754	754	190	0
S72112.H	12-DEC-87	16:29:35	4901	1	256	760	754	190	0
S72113.H	12-DEC-87	16:34:30	4901	2	256	760	754	190	0
S72114.H	12-DEC-87	16:36:50	4901	3	256	760	754	190	0
S72115.H	12-DEC-87	16:39:55	4901	1	256	748	754	190	0
S72116.H	12-DEC-87	16:42:26	4901	2	256	748	754	190	0
S72117.H	12-DEC-87	16:44:48	4901	3	256	748	754	190	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S72118.H	12-DEC-87	16:52:15	4901	1	256	748	754	190	0
S72119.H	12-DEC-87	16:57:29	4901	1	256	745	754	190	0
S72120.H	12-DEC-87	17:00:40	4901	1	256	754	754	190	0
S72121.H	12-DEC-87	17:03:41	4901	1	256	760	754	190	0
S72122.H	12-DEC-87	17:06:30	0	1	256	763	754	190	0
S72123.H	12-DEC-87	17:11:01	0	1	256	763	754	190	0
S72124.H	15-DEC-87	15:09:03	4906	1	256	769	760	190	0
S72125.H	15-DEC-87	15:11:35	4906	2	256	769	760	190	0
S72126.H	15-DEC-87	15:13:53	4906	3	256	769	760	190	0
S72127.H	15-DEC-87	15:17:03	4906	1	256	751	760	190	0
S72128.H	15-DEC-87	15:19:23	4906	2	256	751	760	190	0
S72129.H	15-DEC-87	15:21:46	4906	3	256	751	760	190	0
S72130.H	15-DEC-87	15:24:37	4906	1	256	760	760	190	0
S72131.H	15-DEC-87	15:28:15	4906	2	256	760	760	190	0
S72132.H	15-DEC-87	15:31:03	4906	3	256	760	760	190	0
S72133.H	15-DEC-87	15:52:51	4906	1	256	760	760	190	0
S72134.H	15-DEC-87	15:55:12	4906	2	256	760	760	190	0
S72135.H	15-DEC-87	15:57:53	4906	3	256	760	760	190	0
S72136.H	15-DEC-87	16:00:58	4906	1	256	769	760	190	0
S72137.H	15-DEC-87	16:03:21	4906	2	256	761	760	190	0
S72138.H	15-DEC-87	16:05:41	4906	3	256	761	760	190	0
S72139.H	15-DEC-87	16:08:40	4906	1	256	753	760	190	0
S72140.H	15-DEC-87	16:10:58	4906	2	256	753	760	190	0
S72141.H	15-DEC-87	16:13:30	4906	3	256	753	760	190	0
S72142.H	15-DEC-87	16:21:21	0	3	256	753	760	190	0
S72143.H	15-DEC-87	16:24:20	0	3	256	760	760	190	0
S72144.H	15-DEC-87	16:26:50	0	3	256	769	760	190	0
S72145.H	15-DEC-87	16:28:59	0	3	256	769	760	190	0
S72146.H	15-DEC-87	19:15:55	4906	1	256	769	760	190	0
S72147.H	15-DEC-87	19:18:13	4906	2	256	769	760	190	0
S72148.H	15-DEC-87	19:20:29	4906	3	256	769	760	190	0
S72149.H	15-DEC-87	19:24:05	4906	1	256	753	760	190	0
S72150.H	15-DEC-87	19:34:39	4906	1	256	751	760	191	0
S72151.H	15-DEC-87	19:36:55	4906	2	256	751	760	191	0
S72152.H	15-DEC-87	19:39:10	4906	3	256	751	760	191	0
S72153.H	15-DEC-87	19:45:29	4906	1	256	760	760	191	0
S72154.H	15-DEC-87	19:47:44	4906	2	256	760	760	191	0
S72155.H	15-DEC-87	19:55:06	4906	3	256	760	760	191	0
S72156.H	15-DEC-87	19:58:07	4906	1	256	769	760	191	0
S72157.H	15-DEC-87	20:02:59	4906	2	256	769	760	191	0
S72158.H	15-DEC-87	20:05:16	4906	3	256	769	760	191	0
S72159.H	17-DEC-87	17:44:47	4906	1	256	766	757	191	0
S72160.H	17-DEC-87	18:04:05	4906	1	256	766	757	191	0
S72161.H	17-DEC-87	18:06:20	4906	2	256	766	757	191	0
S72162.H	17-DEC-87	18:08:33	4906	3	256	766	757	191	0
S72163.H	17-DEC-87	18:11:28	4906	1	256	748	757	191	0
S72164.H	17-DEC-87	18:13:51	4906	2	256	748	757	191	0
S72165.H	17-DEC-87	18:16:04	4906	3	256	748	757	191	0
S72166.H	17-DEC-87	18:19:09	4906	1	256	757	757	191	0
S72167.H	17-DEC-87	18:21:22	4906	2	256	757	757	191	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S72168.H	17-DEC-87	18:23:35	4906	3	256	757	757	191	0
S72169.H	17-DEC-87	18:26:27	0	3	256	757	757	191	0
S72170.H	17-DEC-87	18:28:32	0	3	256	748	757	191	0
S72171.H	17-DEC-87	18:30:42	0	3	256	766	757	191	0
S72172.H	17-DEC-87	20:02:20	4906	1	256	766	757	191	0
S72173.H	17-DEC-87	20:04:37	4906	2	256	766	757	191	0
S72174.H	17-DEC-87	20:06:51	4906	3	256	766	757	191	0
S72175.H	17-DEC-87	20:09:50	4906	1	256	748	757	191	0
S72176.H	17-DEC-87	20:13:03	4906	2	256	748	757	191	0
S72177.H	17-DEC-87	20:15:35	4906	3	256	748	757	191	0
S72178.H	17-DEC-87	20:18:24	4906	1	256	757	757	191	0
S72179.H	17-DEC-87	20:20:42	4906	2	256	757	757	191	0
S72180.H	17-DEC-87	20:23:01	4906	3	256	757	757	191	0
S72181.H	17-DEC-87	20:36:32	4907	1	256	761	754	191	0
S72182.H	17-DEC-87	20:38:48	4907	2	256	761	754	191	0
S72183.H	17-DEC-87	20:41:06	4907	3	256	763	754	191	0
S72184.H	17-DEC-87	20:45:02	4907	1	256	745	754	191	0
S72185.H	17-DEC-87	20:47:20	4907	2	256	745	754	191	0
S72186.H	17-DEC-87	20:49:38	4907	3	256	745	754	191	0
S72187.H	17-DEC-87	20:52:26	4907	1	256	753	754	191	0
S72188.H	17-DEC-87	20:54:43	4907	2	256	753	754	191	0
S72189.H	17-DEC-87	20:57:02	4907	3	256	753	754	191	0
S72190.H	23-DEC-87	15:24:55	4906	1	256	765	756	191	0
S72191.H	23-DEC-87	15:27:21	4906	2	256	765	756	191	0
S72192.H	23-DEC-87	15:29:45	4906	3	256	765	756	191	0
S72193.H	23-DEC-87	15:32:59	4906	1	256	747	756	191	0
S72194.H	23-DEC-87	15:35:20	4906	2	256	747	756	191	0
S72195.H	23-DEC-87	15:37:44	4906	3	256	747	756	191	0
S72196.H	23-DEC-87	15:43:04	4906	1	256	765	756	191	0
S72197.H	23-DEC-87	15:45:36	4906	2	256	765	756	191	0
S72198.H	23-DEC-87	15:47:52	4906	3	256	765	756	191	0
S72199.H	23-DEC-87	15:50:58	4906	1	256	756	756	191	0
S72200.H	23-DEC-87	16:03:35	0	3	256	747	756	192	0
S72201.H	23-DEC-87	16:05:52	0	3	256	756	756	192	0
S72202.H	23-DEC-87	16:08:05	0	3	256	761	756	192	0
S72203.H	23-DEC-87	16:17:32	0	3	256	761	756	192	0
S72204.H	28-DEC-87	20:20:56	4912	1	256	768	759	192	0
S72205.H	28-DEC-87	20:23:19	4912	2	256	768	759	192	0
S72206.H	28-DEC-87	20:25:39	4912	3	256	768	759	192	0
S72207.H	28-DEC-87	20:28:58	4912	1	256	750	759	192	0
S72208.H	28-DEC-87	20:31:19	4912	2	256	750	759	192	0
S72209.H	28-DEC-87	20:39:34	4912	3	256	750	759	192	0
S72210.H	28-DEC-87	20:44:51	4912	1	256	759	759	192	0
S72211.H	28-DEC-87	20:47:13	4912	2	256	759	759	192	0
S72212.H	28-DEC-87	20:49:39	4912	3	256	759	759	192	0
S72213.H	28-DEC-87	20:53:10	4912	1	256	768	759	192	0
S72214.H	28-DEC-87	20:55:41	4912	2	256	768	759	192	0
S72215.H	28-DEC-87	20:58:10	4912	3	256	768	759	192	0
S72216.H	28-DEC-87	21:01:24	4912	1	256	750	759	192	0
S72217.H	28-DEC-87	21:03:54	4912	2	256	750	759	192	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λ P	ENH	FP	CF	TAPE	C.T.
S72218.H	28-DEC-87	21:06:23	4912	3	256	750	759	192	0
S72219.H	28-DEC-87	21:17:56	4912	1	256	757	757	192	0
S72220.H	28-DEC-87	21:20:36	4912	2	256	757	757	192	0
S72221.H	28-DEC-87	21:23:09	4912	3	256	757	757	192	0
S72222.H	28-DEC-87	21:43:28	4912	1	256	766	757	192	0
S72223.H	28-DEC-87	21:45:52	4912	2	256	766	757	192	0
S72224.H	28-DEC-87	21:51:10	4912	3	256	766	757	192	0
S72225.H	28-DEC-87	21:54:24	4912	1	256	748	757	192	0
S72226.H	28-DEC-87	21:57:07	4912	2	256	748	757	192	0
S72227.H	28-DEC-87	21:59:45	4912	3	256	748	757	192	0
S72228.H	28-DEC-87	22:02:39	4912	1	256	757	757	192	0
S72229.H	28-DEC-87	22:05:23	4912	2	256	757	757	192	0
S72230.H	28-DEC-87	22:07:50	4912	3	256	757	757	192	0
S72231.H	28-DEC-87	22:13:46	0	3	256	757	757	192	0
S72232.H	28-DEC-87	22:16:34	0	3	256	762	757	192	0
S72233.H	28-DEC-87	22:21:32	0	3	256	766	757	192	0
S72234.H	29-DEC-87	19:54:06	4912	1	256	757	757	192	0
S72235.H	29-DEC-87	19:56:30	4912	2	256	757	757	192	0
S72236.H	29-DEC-87	20:02:52	4912	3	256	757	757	192	0
S72237.H	29-DEC-87	20:05:32	4912	1	256	766	757	192	0
S72238.H	29-DEC-87	20:07:52	4912	2	256	766	757	192	0
S72239.H	29-DEC-87	20:10:16	4912	3	256	766	757	192	0
S72240.H	29-DEC-87	20:13:20	4912	1	256	748	757	192	0
S72241.H	29-DEC-87	20:16:00	4912	2	256	748	757	192	0
S72242.H	29-DEC-87	20:18:26	4912	3	256	748	757	192	0
S72243.H	29-DEC-87	20:26:07	4912	1	512	766	757	192	0
S72244.H	29-DEC-87	20:30:20	4912	2	512	766	757	192	0
S72245.H	29-DEC-87	20:34:34	4912	3	512	766	757	192	0
S72246.H	29-DEC-87	20:39:43	4912	1	512	748	757	192	0
S72247.H	29-DEC-87	20:44:10	4912	2	512	748	757	192	0
S72248.H	29-DEC-87	20:48:28	4912	3	512	748	757	192	0
S72249.H	29-DEC-87	20:52:35	4912	1	400	757	757	192	0
S72251.H	29-DEC-87	20:59:06	4912	2	400	757	757	192	0
S72252.H	29-DEC-87	21:17:48	4912	3	256	766	757	192	0
S72253.H	29-DEC-87	21:20:51	4912	3	256	748	757	192	0
S72254.H	29-DEC-87	21:23:28	4912	3	256	757	757	192	0
S72255.H	29-DEC-87	21:26:33	4912	3	256	757	757	192	0

Appendix B

H-ALPHA OBSERVATIONS

HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
06-24-87	1400	9	CLEAR
06-25-87	1440	2	"
	1441	2	
	2037	3	
06-26-87	2124	2	"
	2125	3	
06-27-87	1308	2	"
	1309	5	
	1310	2	
	1930	3	
06-28-87	1455	2	"
	1457	3	
06-29-87	1356	2	"
	1358	3	

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HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
07-20-87	1444-1447	3 EXP EACH	CLEAR
	1635	5	
	1900	4	
07-21-87	1335	4	"
	1337	6	
07-24-87	1352-1354	3 EXP EACH	"
	1901-1902	4 EXP EACH	
07-25-87	1654-1657	3 EXP EACH	"
	1915-1918	2 EXP EACH	
07-26-87	1441	2 EXP	"
	1442	4 EXP	
	1645	1 EXP	
07-28-87	1315	6 EXP	"
	1356-1400	6 EXP EACH	

HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
08-03-87	1807-1811	4 EXP EACH	CLEAR
08-04-87	1400	6 EXP	"
	1845	6 EXP	
08-05-87	1400	4 EXP	"
	1405	4 EXP	
	1514	3 EXP	
08-09-87	1516	3 EXP	"
	1957	2 EXP	
08-10-87	1350-1352	3 EXP EACH	"
08-11-87	1347-1350	3 EXP EACH	"
	1411	4 EXP	
08-13-87	1402	6 EXP	"
08-14-87	1322	3 EXP	"
	1337-1652	5 MIN INT	
08-15-87	1321-1323	3 EXP EACH	"
	1622	2 EXP	
08-16-87	1430-1432	2 EXP EACH	"
	1713	3 EXP	
08-18-87	1301	5 EXP	"
	1354	5 EXP	
	1957	3 EXP	
08-19-87	1918	8 EXP	"
08-20-87	1323	8 EXP	"
08-21-87	1452-1453	3 EXP EACH	"
	2035	3 EXP	
08-23-87	1439	2 EXP	"
	1441	2 EXP	
	1443	4 EXP	
08-24-87	1356	1 EXP	"
08-25-87	1550	6 EXP	"
	1655		
08-26-87	1800	3 EXP	"

HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
08-27-87	1545	4 EXP	"

HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
09-02-87	1323	9 EXP	CLEAR
09-09-87	1317	9 EXP	"
	1740	9 EXP	
09-14-87	1430	6 EXP	"
09-21-87	1500	5 EXP	"
09-22-87	1330	6 EXP	"
09-23-87	1725	7 EXP	"
09-24-87	1425	9 EXP	"
09-25-87	1404	9 EXP	"

HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
10-01-87	1800	12 EXP	CLEAR
	1803	2 EXP	
10-02-87	1400	9 EXP	"
10-05-87	1505	6 EXP	"
	1923	8 EXP	
10-07-87	1606	6 EXP	"
	1608	6 EXP	
	1853	6 EXP	
10-08-87	1623	6 EXP	"
10-09-87	1417	10 EXP	"
10-13-87	1411	6 EXP	"
10-14-87	1459	9 EXP	"
10-16-87	1546	7 EXP	"
10-21-87	1817	4 EXP	"
	1818	7 EXP	
10-22-87	1718	9 EXP	"
10-23-87	1455	8 EXP	"
	1756-1805	3 EXP EACH	
10-27-87	1947	3 EXP	"
	1949	5 EXP	
10-28-87	1545	3 EXP	"
	1546	7 EXP	
10-30-87	1553	2 EXP	"
	1555	6 EXP	

HALPHA OBSERVATIONS

DATE	TIME	EXPS	WEATHER
11-02-87	1517-1901	3 EXP EACH	CLEAR
11-03-87	1437-1840	3 EXP EACH	"
11-06-87	1440-1442	3 EXP EACH	"
11-07-87	1735-1737	3 EXP EACH	"
11-08-87	1936-1937	3 EXP EACH	"
11-11-87	1828-1830	3 EXP EACH	"
11-12-87	1809-1810	3 EXP EACH	"
11-13-87	1608-1625	SEVERAL EXP	"
11-15-87	1535	8 EXP	"
11-18-87	1630-1632	2 EXP EACH	"
11-19-87	1959	4 EXP	"
11-20-87	1852	10 EXP	"
11-21-87	1537-1539	3 EXP EACH	"
11-22-87	1540	5 EXP	"
	1541	2 EXP	
11-23-87	2004-2005	3 EXP EACH	"

Appendix C

WHITE-LIGHT OBSERVATIONS

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
01-05-87	1700	3	CLEAR
	2000	1	

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
03-02-87	1615	2	CLEAR
03-03-87	1626	2	"
03-04-87	1608	2	"
03-05-87	1415	2	HAZY
03-06-87	1445	2	CLEAR
03-17-87	1355	3	HAZY
03-20-87	1900	2	HAZY
03-23-87	1345	5	SUNNY

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
04-08-87	1620	2	CLEAR
04-09-87	1400	4	"
04-10-87	1350	4	"
04-23-87	1830	3	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
06-25-87	1429	3	CLEAR
	1433	1	"
	2045	1	"
	2050	2	"
06-26-87	1646	1	"
	1647	1	"
	2140	2	"
06-27-87	1210	2	"
	1315	3	"
	1935	3	"
06-28-87	1210	2	"
06-29-87	1340	2	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
07-20-87	1855	3	CLEAR
07-21-87	1335	2	"
07-24-87	1400	2	"
	1415	2	"
07-26-87	1405	2	"
07-27-87	1330	2	"
	1705	3	"
07-28-87	1310	2	"
	1755	2	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
08-03-87	1805	3	CLEAR
08-04-87	1354	3	"
	1640	1	"
08-05-87	1355	3	"
08-09-87	1735	4	"
08-10-87	1345	4	"
08-11-87	1355	2	"
	1410	2	"
08-13-87	1400	2	"
08-14-87	1320	3	"
08-15-87	1330	4	"
	1615	3	"
	2040	2	"
08-16-87	1435	3	"
	1720	2	"
08-18-87	1255	4	"
	2000	2	"
08-20-87	1318	2	"
	1815	2	"
08-21-87	1515	1	"
	1517	1	"
	2040	3	"
08-23-87	1445	2	"
08-24-87	1402	2	"
08-25-87	1400	2	"
	1555	3	"
	1900	1	"
08-26-87	1755	2	"
	2015		
08-27-87	1540	1	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
09-02-87	1320	2	CLEAR
09-09-87	1315	2	"
	1735	3	
09-14-87	1420	2	"
09-21-87	1500	2	"
09-22-87	1325	2	"
09-23-87	1721	2	"
09-24-87	1420	2	"
09-25-87	1400	3	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
10-01-87	1757	2	CLEAR
10-02-87	1400	2	"
10-05-87	1502	2	"
	1926	1	
10-07-87	1603	2	"
	1850	3	
10-08-87	1417	3	"
10-09-87	1415	3	"
10-13-87	1350	3	"
	2028	1	
10-14-87	1455	3	"
	1800	4	
10-16-87	1550	2	"
10-21-87	1820	2	"
10-22-87	1720	1	"
10-23-87	1452	1	"
10-27-87	1944	2	"
10-28-87	1417	1	"
10-30-87	1551	2	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
11-02-87	1514	3	CLEAR
11-03-87	1435	2	"
	1843	1	
11-06-87	1445	1	"
11-12-87	1805	3	"
11-13-87	1605	2	"
11-14-87	1640	1	"
	1643	1	
11-15-87	1350	2	"
11-18-87	1413	2	"
11-19-87	2002	2	"
11-20-87	1857	2	"
11-21-87	1543	2	"
11-22-87	1536	2	"
11-23-87	2010	2	"

WLIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
12-02-87	1834	3	CLEAR
12-03-87	1737	1	"
12-10-87	1600	2	"
12-15-87	1805	2	"
12-16-87	1505	2	"
12-17-87	1948	2	"
12-20-87	1500	2	"

APPROVAL

NASA MARSHALL SPACE FLIGHT CENTER SOLAR OBSERVATORY REPORT JANUARY-DECEMBER 1987

By James E. Smith

The information in this report has been reviewed for technical content. Review of any information concerning Department of Defense or nuclear energy activities or programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.



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